

57001462

Lee, Buyeong-ha (University of Arizona, Department of Plant Sciences, Tucson, AZ); Kim, Yong-Sig and Zhu, Jian-Kang.

Molecular genetics of plant responses to low temperatures: *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 3-16, 98 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001463

Warren, Gareth J. (University of London, School of Biological Sciences, Egham, United Kingdom); Thorlby, Glenn J. and Bramke, Irene.

Mutants deficient in cold hardiness; what can they reveal about freezing tolerance?: *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 17-32, illus. incl. 2 tables, 30 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001464

Xin, Zhanguo (U. S. Department of Agriculture, Agricultural Research Service, Lubbock, TX).

Molecular cloning of *Eskimo1* gene of *Arabidopsis* reveals novel mechanism of freezing tolerance: *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 33-41, illus. incl. 2 tables, 27 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001465

Sangwan, Veena (McGill University, Department of Biology, Montreal, PQ, Canada); Orvar, Bjorn L. and Dhindsa, Rajinder S.

Early events during low temperature signaling: *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 43-53, illus., 41 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001466

Tahtiharju, Sari (University of Helsinki, Institute of Biotechnology, Helsinki, Finland); Heino, Pekka and Palva, E. Tapi.

AtPP2CA negatively regulates ABA responses during cold acclimation and interacts with the potassium channel AKT3: *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 55-62, illus., 49 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001467

Junttila, Olavi (University of Helsinki, Helsinki, Finland); Welling, Annikki; Li, Chunyang; Tsegay, Berhany A. and Palva, E. Tapi.

Physiological aspects of cold hardiness in northern deciduous tree species: *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 65-76, illus., 37 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001468

Arora, Rajeev (Iowa State University, Department of Horticulture, Ames, IA).

Cold acclimation in Rhododendron; a genetic and physiological study: *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 77-91, illus. incl. 2 tables, 27 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001469

Fennell, Anne (South Dakota State University, Horticulture, Forestry, Landscape and Parks Department, Brookings, SD) and Mathiason, Katherine.

Early acclimation response in grapes (*Vitis*): *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 93-107, illus. incl. 2 tables, 16 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001470

Sakai, Akira (Shimane Agriculture Experimental Station, Izumo, Japan); Matsumoto, Toshikazu; Hirai, Dai and Charoensub, Rommanee.

Survival of tropical apices cooled to -196°C by vitrification; development of a potential cryogenic protocol of tropical plants by vitrification: *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 109-119, illus. incl. 2 tables, 59 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001471

Cattivelli, Luigi (Experimental Institute for Cereal Research, Fiorenzuola d'Arda, Italy); Crosatti, Cristina; Mare, Caterina; Grossi, Maria; Mastrangelo, Anna M.; Mazzucotelli, Elisabetta; Govoni, Chiara; Galiba, Gabor and Stanca, A. Michele.

Expression of cold-regulated (cor) genes in barley; molecular bases and environmental interaction: *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 121-137, illus. incl. 1 table, 56 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001472

Galiba, Gabor (Hungarian Academy of Sciences, Agricultural Research Institute, Martonvasar, Hungary); Kocsy, Gabor; Kerepesi, Ildiko; Vaguijfalvi, Attila; Cattivelli, Luigi and Sutka, Jozsef.

Involvement of glutathione and carbohydrate biosynthesis moreover COR14B gene expression in wheat cold acclimation: *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 139-159, illus. incl. 2 tables, 53 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001473

Hurry, Vaughan (Umea University, Department of Plant Physiology, Umea, Sweden); Druart, Nathalie; Cavaco, Ana; Gardestrom, Per and Strand, Asa.

Photosynthesis at low temperatures; a case study with *Arabidopsis*: *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 161-179, illus. incl. 1 table, 48 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001474

Kawamura, Yukio (Iwate University, Cryobiosystem Research Center, Morioka, Japan) and Uemura, Matsuo.

Changes in the plasma membrane from *Arabidopsis thaliana* within one week of cold acclimation: *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 181-194, illus. incl. 4 tables, 45 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001475

Schilling, Silke M. (FU-Berlin, Institut für Pflanzenphysiologie, Berlin, Federal Republic of Germany); Sror, Hany A. M.; Hincha, Dirk K.; Schmitt, Jürgen M. and Köhn, Carsten A.

Cryoprotectin, a cabbage protein protecting thylakoids from freeze-thaw damage; expression of candidate genes in *E. coli*: *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 195-210, illus., 59 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001476

Wisniewski, Michael (U. S. Department of Agriculture, Agricultural Research Service, Kearneysville, WV); Fuller, Michael; Glenn, D. Michael; Gusta, Lawrence V.; Duman, John and Griffith, Marilyn.

Extrinsic ice nucleation in plants; what are the factors involved and can they be manipulated?: *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 211-221, illus., 38 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001477

Chen, Wen-Ping (University of Minnesota, Department of Horticultural Science, St. Paul, MN) and Li, Paul H.

Attenuation of reactive oxygen production during chilling in ABA-treated maize cultured cells: *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 223-233, illus. incl. 1 table, 58 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001478

Gusta, Lawrence V. (University of Saskatchewan, Plant Sciences Department, Saskatoon, SK, Canada); Nesbitt, Nicole T.; Wu, Guohai; Luo, Ximing; Robertson, Albert J.; Waterer, Doug and Gusta, Michael L.

Genetic engineering of cultivated plants for enhanced abiotic stress tolerance: *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 237-248, illus. incl. 1 table, 20 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001479

Tamminen, Ilkka (University of Helsinki, Department of Biosciences, Helsinki, Finland); Puukainen, Tuula; Makela, Pirjo; Holmstrom, Kjell-Ove; Müller, Joachim; Heino, Pekka and Palva, E. Tapio.

Engineering Trehalose biosynthesis improves stress tolerance in *Arabidopsis*: *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 249-257, illus., 46 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001480

Yuwansiri, Raweewan (Oregon State University, Department of Horticulture, Corvallis, OR); Park, Eung-Jun; Jeknic, Zoran and Chen, Tony H. H.

Enhancing cold tolerance in plants by genetic engineering of Glycinebetaine synthesis: *in* Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 259-275, illus. incl. 1 table, 73 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57001668

Janoo, Vincent C. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Cortez, E. R.

Some observations of base course performance during accelerated pavement testing: *in* Bearing capacity of roads, railways and airfields; Volume 2 (Gomes Correia, A., editor; *et al.*), A.A. Balkema Publishers, Tokyo, Japan, p. 1247-1254, illus. incl. 1 table, 2 ref., 2002. *Meeting:* 6th international conference, June 24-26, 2002, Lisbon, Portugal. CRREL Report No: ERDC/CRREL MP-03-5958

57001729

Schirrmeister, Lutz (Alfred Wegener Institute for Polar and Marine Research, Research Unit Potsdam, Potsdam, Federal Republic of Germany); Siegert, Christine; Kuznetsova, Tatyana; Kuzmina, Svetlana; Andreev, Andrei; Kienast, Frank; Meyer, Hanno and Bobrov, Anatoly.

Paleoenvironmental and paleoclimatic records from permafrost deposits in the Arctic region of northern Siberia: *in* Late Pleistocene and Holocene climate and geoarchaeology; International conference on Past global changes (PAGES) (Catto, N., editor; *et al.*), **Quaternary International**, 89, p. 97-118, illus. incl. 2 tables, sect., strat. cols., geol. sketch maps, 54 ref., 2002. *Meeting:* Sept. 6-9, 2000, Prague, Czech Republic.

57001731

Chisso, Renato (Agenzia Regionale per la Prevenzione e Protezione Ambientale del Veneto, Italy) and Cadrobbi, Paolo, prefacers.

Analysis of 15 biotopes in Dolomitic area: Duck Edizioni, Italy, 103 p., illus. incl. tables, sketch map, 30 ref., 2001.

57001732

Ketcham, Stephen A. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Moran, Mark L.; Lacombe, James and Greenfield, Roy J.

Loading of ground by moving tracked vehicles in FDTD seismic simulations: *in* Meeting of the MSS Specialty Group on Battlefield acoustic and seismic sensing, magnetic and electric field sensors; proceedings, Rep. No. 440000-249-X(II), 24 p., illus. incl. 1 table, 16 ref., 2002. *Available from:* ERIM International, Ann Arbor, MI, United States. *Meeting:* 2002. CRREL Report No: ERDC/CRREL MP-03-5960

57001811

Ketcham, Stephen A. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Greenfield, Roy J.; Moran, Mark L.; Anderson, Thomas S. and Hestholm, Stig O.

Soil attenuation in seismic simulations; implications for vehicle tracking: *in* Meeting of the MSS Specialty Group on Battlefield acoustic and seismic sensing, magnetic and electric field sensors; proceedings (Ketcham, Stephen A.; *et al.*), Rep. No. 440000-249-X(II), 20 p., illus. incl. 3 tables, 17 ref., September 2001. *Available from:* ERIM International, Ann Arbor, MI, United States. *Meeting:* 2001. Includes 2 appendices. CRREL Report No: ERDC/CRREL MP-03-5956

57001826

Lacombe, James (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Noriega, Adolfo and Happel, Scott.

Field verification of target ground force simulation models: *in* IRIA-MSS proceedings of 2002 meeting of the MSS Specialty Group on Battlefield acoustic and seismic sensing, magnetic and electric field sensors, Rep. No. 2002, 12 p., illus., 2002. Available from: Army Research Laboratory, Sensors and Electron Devices Directorate, Acoustic Signal Processing Branch, Adelphi, MD, United States. *Meeting:* Sept. 24-27, 2002, Laurel, MD.

availability <http://www.arl.army.mil/acoustics/acoustics.htm> CRREL Report No: ERDC/CRREL MP-03-5966

57001874

Kusak, R. (Tomas Bata University, Institute of Materials Engineering, Zlin, Czech Republic); Lapcik, L. and Dutta, P. K.

Sound absorption coefficient of porous ceramic materials: *in* The 2002 international congress and exposition on Noise control engineering, **Inter-noise: International Congress and Exposition on Noise Control Engineering**, 2002, unpaginated, illus., 2002. *Meeting:* Aug. 19-21, 2002, Dearborn, MI. CRREL Report No: ERDC/CRREL MP-03-5968

57001877

U. S. Army National Guard.

Winter operations resource handbook: Minnesota National Guard Academy, Little Falls, MN, variously paginated, illus., September 1994. Revised edition; First edition December 1988.

57001878

Janoo, Vincent C. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Barna, Lynette.

Pavement performance during thaw weakening: *in* Ninth international conference on Asphalt pavements; conference proceedings (International Society for Asphalt Pavements), **International Conference on Asphalt Pavements**, 9, p. 1-17, illus. incl. 7 tables, 7 ref., 2002. compact disc. *Meeting:* Aug. 17-22, 2002, Copenhagen, Denmark. CRREL Report No: ERDC/CRREL MP-03-5969

57001942

Still, Jan C. (U. S. Bureau of Land Management, Division of Lands, Minerals, and Resources, Juneau, AK); Bittenbender, Peter E.; Bean, Kirby W. and Gensler, Edward G.
Mineral assessment of the Stikine area, central Southeast Alaska: **BLM - Alaska Technical Report**, Rep. No. 51, 557 p. 4 sheets, illus. incl. 5 tables, sects.; site location maps, 1:250,000; colored site location maps; colored index map; colored economic geology maps, 220 ref., May 2002. Includes appendices.

57001947

Olsson, Peter Q. (U. S. Army Engineer Research and Development Center, Hanover, NH); Hinzman, Larry D.; Sturm, Matthew; Liston, Glen E. and Kane, Douglas L.

Surface climate and snow-weather relationships of the Kuparuk Basin on Alaska's Arctic slope: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-02-10, 42 p., illus. incl. 4 tables, 57 ref., August 2002. NSF Grant Nos. OPP-0096145, OPP-9318535 and OPP-9814984. http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR02-10.pdf

57001948

Bolus, Robert (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Bruzewicz, Andrew.

Evaluation of new sensors for emergency management: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-02-11, 25 p., illus. incl. 1 table, 8 ref., August 2002.
http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR02-11.pdf

57001958

Hoen, Edward Weber.

A correlation-based approach to modeling interferometric radar observations of the Greenland ice sheet: 165 p., illus. incl. 5 tables, sketch maps, 112 ref., Doctoral, December 2001, Stanford University, Stanford, CA. microfiche *Available from:* Univ. Microfilms.

57001960

Zhao, Yinghao.

Identification of selected bacteria and their phage from Greenland glacial ice: 66 p., illus. incl. 8 tables, Master's, 2002, State University of New York, Syracuse, NY. microfiche *Available from:* Univ. Microfilms. Includes appendix.

57001961

Linker, John S., Jr.

Sediment flux as an indicator of glacial erosion; Matanuska Glacier, Alaska: 45 p., illus. incl. 4 tables, sketch maps, 36 ref., Master's, 2001, University of Michigan, Ann Arbor, MI. microfiche *Available from:* Univ. Microfilms.

57001962

Miller, Amy E.

Uptake of organic and inorganic nitrogen by alpine tundra plants: 104 p., illus. incl. 10 tables, 116 ref., Doctoral, 2002, University of Colorado, Boulder, CO. microfiche *Available from:* Univ. Microfilms.

57001963

Burnett, James Stuart.

Assessing ice storm damage to hardwood forest canopies using the advanced solid-state array spectroradiometer (ASAS) and Landsat TM imagery: 143 p., illus. incl. 22 tables, 66 ref., Doctoral, 2002, University of New Hampshire, Durham, NH. microfiche *Available from:* Univ. Microfilms. Includes appendix.

57001965

Alesi, Donatella and Sarti, Silvia, compilers.

List of PNRA publications, 1997-2001—Elenco delle pubblicazioni del PNRA, 1997-2001: Rep. No. ANT 02/04, 211 p., (Italian, English), 2002. *Available from:* ENEA Centro Ricerche Casaccia, Progetto Antartide, Rome, Italy.

57001966

Cornell, Jeffrey Scott.

The environmental impact of 4(5)-methylbenzotriazole from aircraft deicing operations: 221 p., illus. incl. 19 tables, 143 ref., Doctoral, 2001, University of Colorado. microfiche *Available from:* Univ. Microfilms. Includes appendices.

57002113

Woolford, Julian (World Wildlife Fund International Arctic Programme, Oslo, Norway).
Toxics threaten Arctic: **WWF Arctic Bulletin**, 3.02, p. 6, illus. incl. sketch map, October 28, 2002.

57002114

Woolford, Julian (World Wildlife Fund International Arctic Programme, Oslo, Norway).
Russia signs POPs convention: **WWF Arctic Bulletin**, 3.02, p. 7, illus., October 28, 2002.

57002115

Rosentrater, Lynn (World Wildlife Fund International Arctic Program, Oslo, Norway) and Hansen, Lara.

WWF explores combined impact of climate change and toxics: **WWF Arctic Bulletin**, 3.02, p. 7-8, October 28, 2002.

57002116

Woolford, Julian (World Wildlife Fund International Arctic Programme, Oslo, Norway).
Alcoa moves ahead as Ramsar site faces new threat: **WWF Arctic Bulletin**, 3.02, p. 8-9, illus., October 28, 2002.

57002117

Odgaard, Jonna.

How green is Greenland?: **WWF Arctic Bulletin**, 3.02, p. 12-14, illus., October 28, 2002.

57002118

Norris, Stefan (World Widelife Fund International Arctic Programme, Oslo, Norway).
Protection act for Svalbard: **WWF Arctic Bulletin**, 3.02, p. 15, illus., October 28, 2002.

57002119

Kovacs, Kit M. (Norwegian Polar Institute, Marine Ecology, Oslo, Norway).
Norway funds polar climate research programme: **WWF Arctic Bulletin**, 3.02, p. 16-17, illus., October 28, 2002.

57002120

Rosentrater, Lynn (World Wildlife Fund International Arctic Programme, Oslo, Norway) and Risa, Ingunn.

Whaling vessels shed light on sea ice changes: **WWF Arctic Bulletin**, 3.02, p. 16-17, illus. incl. sketch map, October 28, 2002.

57002121

Helmke, Mark (NuclearThreat Initiative).

Arms control and environment; the future: **WWF Arctic Bulletin**, 3.02, p. 18, illus., October 28, 2002.

57002122

Johnson, Michael (Alaska Department of Community and Economic Development).

Sustainable Arctic tourism is “SMART”: **WWF Arctic Bulletin**, 3.02, p. 20-21, illus., October 28, 2002.

57002253

Stanford, Mike.

The avalanche expert: **The Avalanche Review**, 13(6), p. 1, 4, illus., April 1995.

57002254

Toepfer, Scott (Colorado Department of Transportation, Colorado Avalanche Information Center, Boulder, CO).

CDOT: **The Avalanche Review**, 13(6), p. 3, illus. incl. sketch map, April 1995.

57002255

Boissonsault, Mike.

Meeting the challenge of size and diversity; snow avalanche programs of the British Columbia Ministry of Transportation and Highways: **The Avalanche Review**, 17(1), p. 1, 4-5, illus., 1998.

57002256

Birkeland, Karl (Montana State University, Department of Earth Sciences, Bozeman, MT).

Recycled powder and other types of near-surface faceting; sometimes today's great skiing creates tomorrow's avalanche headache: **The Avalanche Review**, 17(1), p. 6-7, illus. incl. 1 table, 12 ref., 1998.

57002938

Collins, Nicholas H. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Snow and ice control (SNIC) equipment and its use by military units worldwide: **CRREL Special Report**, Rep. No. ERDC/CRREL SR-02-1, 65 p., illus., 14 ref., May 2002. Includes appendices.

http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/SR02-1.pdf

57002939

Smith, Orson P. (University of Alaska at Anchorage, Department of Arctic Engineer, Anchorage, AK) and Tucker, Walter B.

Start to plan for Arctic warming: **Anchorage Daily News**, 2003, January 24, p. B6, January 24, 2003.

<http://www.adn.com/opinion/story/2508866p-2562738c.html> CRREL Report No: ERDC/CRREL MP-03-5990

57002940

Rosenberg, M. D. (Institute of Geological & Nuclear Sciences, Wairakei, New Zealand).

The Whakapapaiti lahar; a snow-rich debris flow from the 23rd September 1995 eruption of Mt. Ruapehu: **Institute of Geological & Nuclear Sciences Science Report**, Rep. No. 2000/30, 34 p., illus. incl. 1 table, 19 ref., 2000. ISBN: 0478097093. Includes 2 appendices.

57002941

Andreas, Edgar L. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Hicks, Bruce B.

Critical test of the validity of Monin-Obukhov similarity during convective conditions; discussion: **Journal of the Atmospheric Sciences**, 59(17), p. 2605-2607, illus., 10 ref., September 1, 2002. For reference to original see Johansson, C., et al, J. Atmos. Sci., Vol. 58, pp.1549-1566, 2001. CRREL Report No: ERDC/CRREL MP-03-5991

57002942

Radwin, Martin I. and Ledoux, Xavier, translator. Mort par avalanches; le rôle déterminant du CO₂,
[Death by avalanche; the determining role of carbon dioxide]: **Neige et Avalanches (Grenoble)**, 95, p. 2-7, illus. incl. 2 tables, 1 ref., September 2001.

57002943

Dinger, Françoise (CEMAGREF, France).

La réhabilitation de milieux dégradés d'altitude [Remediation of degraded environments at high altitude]: **Neige et Avalanches (Grenoble)**, 95, p. 12-15, illus. incl. 1 table, 1 ref., September 2001.

57002944

Jarry, Frédéric (ANENA, France).

Jurisque Avalanche: **Neige et Avalanches (Grenoble)**, 95, p. 21-25, illus., September 2001.

57002945

Berman, J. B. (U. S. Army Research and Development Center, Construction Engineering Laboratory, Champaign, IL); Al-Chaar, G. K. and Dutta, P. K.

Biaxial loading and failure behavior of brick triplets with fiber-reinforced polymer composite upgrades: **ERDC Technical Report**, Rep. No. ERDC TR-02-7, 61 p., illus. incl. 14 tables, 17 ref., December 2002. Available from: National Technical Information Service, Springfield, VA, United States. CRREL Report No: ERDC/CRREL MP-03-6013

57003012

Shoop, S. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).
Equipment available for making snow roads: **Oilweek Magazine**, 28(2), p. 11, February 21, 1977. CRREL Report No: ERDC/CRREL MP-03-6006

57003014

Walsh, Marianne E. (Cold Regions Research and Engineering Laboratory, Hanover, NH); Ramsey, Charles A. and Jenkins, Thomas F.

The effect of particle size reduction by grinding on subsampling variance for explosives residues in soil: **Chemosphere (Oxford)**, 49(10), p. 1267-1273, illus. incl. 5 tables, 23 ref., 2002. CRREL Report No: ERDC/CRREL MP-03-6007

57003016

Kurtak, Joseph M.; Klieforth, Robert F.; Clark, John M. and Maclean, Elizabeth A.

Mineral investigations in the Koyukuk mining district, Northern Alaska; Volume I, Introductory text and summaries of mines, prospects, and mineral occurrences in the Bettles, Chandalar, Chandler Lake, and Hughes quadrangles; Volume II, Summaries of mines, prospects, and mineral occurrences in the Melozitna, Survey Pass, Tanana, and Wiseman quadrangles: **BLM - Alaska Technical Report**, Rep. No. 50, variously paginated, geologic maps, July 2002. In two volumes.

57003022

Hardy, Susan E. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Palazzo, Antonio J.

Report on the workshop on New grass germplasms and invasive weed control; 30 April-1 May 2002, Fort Carson and United States Air Force Academy, Colorado Springs, Colorado: **CRREL Special Report**, Rep. No. ERDC/CRREL SR-02-2, 57 p., illus. incl. 7 tables, 5 ref., October 2002. Available from: National Technical Information Service, Springfield, VA, United States. Includes appendices.

57003031

Anonymous.

12th conference on Interaction of the sea and atmosphere of the American Meteorological Society: **Conference on Interaction of the Sea and Atmosphere**, 12, unpaginated, illus., February 2003. CD-ROM. Meeting: Feb. 9-13, 2003, Long Beach, CA. Individual papers within scope are cited separately. CRREL Report No: ERDC/CRREL MP-03-6008

57003032

Li, Weibiao (Bedford Institute of Oceanography, Fisheries and Oceans Canada, Dartmouth, NS, Canada); Perrie, Will; Andreas, Edgar L.; Gyakum, John and McTaggart-Cowan, Ron.

Impact of sea spray on numerical simulation of extratropical hurricanes: in 12th conference on Interaction of the sea and atmosphere of the American Meteorological Society, **Conference on Interaction of the Sea and Atmosphere**, 12, 9 p., illus. incl. sketch maps, 22 ref., February 2003. CD-ROM. Meeting: Feb. 9-13, 2003, Long Beach, CA. CRREL Report No: ERDC/CRREL MP-03-6017

57003033

Andreas, Edgar L. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

An algorithm to predict the turbulent air-sea fluxes in high-wind, spray conditions: in 12th conference on Interaction of the sea and atmosphere of the American Meteorological Society, **Conference on Interaction of the Sea and Atmosphere**, 12, 7 p., illus., 3 ref., February 2003. CD-ROM. Meeting: Feb. 9-13, 2003, Long Beach, CA. CRREL Report No: ERDC/CRREL MP-03-6018

57003163

Hannan, Gary L. (Eastern Michigan University, Department of Biology, Ypsilanti, MI) and Orick, Michael W.

Isozyme diversity in Iris cristata and the threatened glacial endemic I. lacustris (Iridaceae): **American Journal of Botany**, 87(3), p. 1-17, illus. incl. 2 tables, sketch map, 64 ref., 2000. <http://www.amjbot.org/cgi/content/abstract/87/3/293>

57003164

Gosink, T. A. (Univ. Alaska, Inst. Mar. Sci., Fairbanks, Alaska); Pearson, J. G. and Kelley, J. J.

Gas movement through sea ice: **Nature (London)**, 263(5572), p. 41-42, September 2, 1976.

57003165

Krinner, G. (CNRS/Université Joseph Fourier, Laboratoire de Glaciologie et Géophysique de l'Environnement, Grenoble, France); Raynaud, D.; Doutriaux, C. and Dang, H.
Simulations of the last glacial maximum ice sheet surface climate; implications for the interpretation of ice core air content: **Journal of Geophysical Research, D, Atmospheres**, 105(2), p. 2059-2070, illus. incl. 3 tables, 32 ref., January 27, 2000.

57003166

Svensson, Anders (University of Copenhagen, Department of Geophysics, Copenhagen, Denmark); Biscaye, Pierre E. and Grousset, Francis E.
Characterization of late glacial continental dust in the Greenland Ice Core Project ice core: **Journal of Geophysical Research, D, Atmospheres**, 105(4), p. 4637-4656, illus. incl. 5 tables, 74 ref., February 27, 2000.

57003167

Schuster, Paul F. (U. S. Geological Survey, Water Resources Division, Boulder, CO); White, David E.; Naftz, David L. and Cecil, L. DeWayne.
Chronological refinement of an ice core record at upper Fremont Glacier in south central North America: **Journal of Geophysical Research, D, Atmospheres**, 105(4), p. 4657-4666, illus. incl. 2 tables, geol. sketch map, 28 ref., February 27, 2000.

57003168

Anonymous.

European conference on Atmospheric UV radiation (ECUV): **Journal of Geophysical Research, D, Atmospheres**, 105(4), p. 4777-5080, illus., February 27, 2000. *Meeting:* June 28-July 2, 1998, Helsinki, Finland. Individual papers within scope are cited separately.

57003169

Renaud, Anne (ETH-Zurich, Institute for Atmospheric Science, Switzerland); Staehelin, Johannes; Fröhlich, Claus; Philipone, Rolf and Heimo, Alain.
Influence of snow and clouds on erythermal UV radiation; analysis of Swiss measurements and comparison with models: *in* European conference on Atmospheric UV radiation (ECUV), **Journal of Geophysical Research, D, Atmospheres**, 105(4), p. 4961-4969, illus. incl. 2 tables, block diag., 34 ref., February 27, 2000. *Meeting:* June 28-July 2, 1998, Helsinki, Finland.

57003170

Manson, A. H. (University of Saskatchewan, Institute of Space and Atmospheric Studies, Saskatoon, SK, Canada); Meek, C. E.; Qian, J. and Gardner, C. S.
Spectra of gravity wave density and wind perturbations observed during Arctic noctilucent cloud (ANLC-93) campaign over the Canadian prairies; synergistic airborne Na lidar and MF radar observations: *in* The 1993 airborne lidar and observations of Hawaiian airglow/airborne noctilucent cloud campaigns (Lindzen, Richard S., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 103(6), p. 6455-6465, illus. incl. 1 table, 25 ref., March 27, 1998.

57003171

André, Marie-Françoise (Université Blaise Pascal, Laboratoire de Géographie Physique, Clermont-Ferrand, France).
Chronique arctique et antarctique [Arctic and Antarctic chronicle]: **Norois**, 47(186), p. 235-268 (English sum.), illus. incl. sketch maps, 139 ref., 2000.

57003172

Topal, Erkan.

Long and short term production scheduling of Kiruna iron ore mine, Kiruna, Sweden: 79 p., 34 ref., Master's, 1998, Colorado School of Mines, Golden, CO. Includes 1 diskette.

57003173

Alirezaei, Saeed.

Geochemical investigation of the lower crustal rocks in Bamble shear belt, southern Norway; implications for the source of gold in lode gold deposits: 403 p., illus. incl. 34 tables, 588 ref., Doctoral, 1999, University of Ottawa, Ottawa, ON, Canada. Includes 5 appendices.

57003174

Torak, Lynn Joseph.

Determination of hydrologic parameters for glacial tills in Connecticut: 161 p., illus. incl. 9 tables, 34 ref., Master's, 1979, University of Connecticut, Storrs, CT.

57003175

Bugden, Wayne Henry.

Hydrology and geochemistry of a kettle hole wetland, Willington, Connecticut: 135 p., illus. incl. 16 tables, 48 ref., Master's, 1996, University of Connecticut, Storrs, CT.

57003176

Kerasotes, Mark Louis.

Woodfordian stratigraphy and glacial geology in the upper Illinois Valley region, north central Illinois: 166 p., 28 ref., Master's, 1989, University of Illinois, Urbana, Urbana, IL.

57003177

Doak, William (Bentley Systems, Exton, PA).

GIS for the top of the world: **Earth Observation Magazine**, 4(12), p. 14-17, illus., December 1995.

57003178

Carapella, Ruth (Pen Craft Writing & Editing Services, Harrison, ID).

Flood damage assessment in the Pacific Northwest: **Earth Observation Magazine**, 5(5), p. 17-20, illus., May 1996.

57003179

Svejkovsky, Jan (Ocean Imaging, Solana Beach, CA).

Satellite remote sensing on the high seas: **Earth Observation Magazine**, 5(5), p. 22-25, illus., May 1996.

57003180

Vonder Haar, Stephen Paul.

Magnetic susceptibility and clay mineralogy of tills near Danville, Illinois: 42 p., 6 tables, 2 plates, 19 ref., Bachelor's, 1969, University of Illinois, Urbana, Urbana, IL.

57003181

Smith, Stephen A.

Fabric analysis of tills near Danville, Illinois: 36 p., 2 tables, 23 ref., Bachelor's, 1970, University of Illinois, Urbana, Urbana, IL.

57003182

Campbell, Robert, chairperson (Northern Scientific Training Program Committee, Ottawa, ON, Canada).

Programme de Formation Scientifique dans le Nord; rapport annuel, 1993-1994—Northern Scientific Training Program; annual report, 1993-1994: variously paginated, (French, English), illus. incl. tables, June 1994. *Available from:* Ministères des Affaires Indiennes et du Nord Canadien, Direction Générale des politiques Sectorielles et du Transfert des Programmes, Division de la Politique Sectorielle, Ottawa, ON, Canada. Includes appendices.

57003183

Petterson, John S., president (Impact Assessment, Anchorage, AK).

Interim report #1; Analysis of fiscal impacts to local jurisdictions; economic, social, and psychological impact assessment of the Exxon Valdez oil spill: variously paginated, illus. incl. 36 tables, 11 ref., March 1, 1990. *Available from:* Impact Assessment, Anchorage, AK, United States. Includes appendices; prepared for Oiled Mayors Subcommittee, Alaska Conference of Mayors.

57003184

Lowe, D. C. (Institute of Geological & Nuclear Sciences, Lower Hutt, New Zealand).

Geophysical research possibilities using tandem accelerator mass spectrometry (TAMS) [abstr.]: *in* New Zealand national physics conference; abstracts, University of Auckland, Centre for Continuing Education, Auckland, New Zealand, 1983. *Meeting:* May 10-13, 1983, Auckland, New Zealand.

57003185

Miao, Jungang (University of Bremen, Institute of Environmental Physics, Bremen, Federal Republic of Germany); Johnsen, Klaus-Peter; Kern, Stefan; Heygster, Georg and Kunzi, Klaus.

Signature of clouds over Antarctic sea ice detected by the special sensor microwave/imager: *in* 1999 international geoscience and remote sensing symposium (IGARSS'99); Remote sensing of the system Earth; a challenge for the 21st century (Bamler, Richard, editor), **IEEE Transactions on Geoscience and Remote Sensing**, 38(5, Part 1), p. 2333-2343, illus. incl. 1 table, geol. sketch map, 50 ref., September 2000. *Meeting:* June 28-July 2, 1999, Hamburg, Federal Republic of Germany.

57003186

Chakraborty, Bishwajit (National Institute of Oceanography, Goa, India); Schenke, Hans Werner; Kodagali, Vijay and Hagen, Rick.

Seabottom characterization using multibeam echosounder angular backscatter; an application of the composite roughness theory: **IEEE Transactions on Geoscience and Remote Sensing**, 38(5, Part 2), p. 2419-2422, illus. incl. geol. sketch map, 10 ref., September 2000.

57003187

Foster, J. L. (NASA, Goddard Space Flight Center, Hydrological Sciences Branch Laboratory for Hydrospheric Processes, Greenbelt, MD); Barton, J. S.; Chang, A. T. C. and Hall, D. K.

Snow crystal orientation effects on the scattering of passive microwave radiation: **IEEE Transactions on Geoscience and Remote Sensing**, 38(5, Part 2), p. 2430-2434, illus. incl. 3 tables, 20 ref., September 2000.

57003188

Alberoni, P. P. (ARPA, Servizio Meteorologico Regionale, Bologna, Italy); Bruen, M.; Collier, C. G.; Galati, G.; Handwerker, J.; Hardaker, P.; Holler, H.; Illingworth, A. J.; Joss, J.; Koistinen, J.; Meischner, P.; Prodi, F.; Rossa, A. M.; Russchenberg, H. W. J.; Testoud, J. and Zawadzki, I., editors.

First European conference on Radar meteorology: **Physics and Chemistry of the Earth, Part B: Hydrology, Oceans and Atmosphere**, 25(10-12), p. 809-1346, illus., September 2000. *Meeting:* Sept. 4-9, 2000, Bologna, Italy. Individual papers within scope are cited separately.

57003189

D'Amico, M. (Politecnico di Milano, Milan, Italy); Capsoni, C. and Nebuloni, R.

A melting layer model investigated using doppler spectra: *in* First European conference on Radar meteorology (Alberoni, P. P., editor; *et al.*), **Physics and Chemistry of the Earth, Part B: Hydrology, Oceans and Atmosphere**, 25(10-12), p. 1069-1071, illus., 7 ref., September 2000. *Meeting:* Sept. 4-9, 2000, Bologna, Italy.

57003190

Holleman, I. (Royal Netherlands Meteorological Institute, De Bilt, Netherlands); Wessels, H. R. A.; Onvlee, J. R. A. and Barlag, S. J. M.

Development of a hail-detection-product: *in* First European conference on Radar meteorology (Alberoni, P. P., editor; *et al.*), **Physics and Chemistry of the Earth, Part B: Hydrology, Oceans and Atmosphere**, 25(10-12), p. 1293-1297, illus., 18 ref., September 2000. *Meeting:* Sept. 4-9, 2000, Bologna, Italy.

57003191

Schmid, W. (ETH, Atmospheric Science, Zurich, Switzerland); Mecklenburg, S. and Joss, J.

Short-term risk forecasts of severe weather: *in* First European conference on Radar meteorology (Alberoni, P. P., editor; *et al.*), **Physics and Chemistry of the Earth, Part B: Hydrology, Oceans and Atmosphere**, 25(10-12), p. 1335-1338, illus. incl. geol. sketch map, 12 ref., September 2000. *Meeting:* Sept. 4-9, 2000, Bologna, Italy.

57003192

Michalowski, Brian A. (Purdue University, Department of Earth and Atmospheric Sciences, West Lafayette, IN); Francisco, Joseph S.; Li, Shao-Meng; Barrie, Leonard A.; Bottenheim, Jan W. and Shepson, Paul B.

A computer model study of multiphase chemistry in the Arctic boundary layer during polar sunrise: **Journal of Geophysical Research, D, Atmospheres**, 105(12), p. 15,131-15,145, illus. incl. 7 tables, 66 ref., June 27, 2000.

57003193

Pierson, J. M. (Universities Space Research Association, Seabrook, MD); Kawa, S. R.; Salawitch, R. J.; Hanisco, T. F.; Lanzendorf, E. J.; Perkins, K. K. and Gao, R. S.

Influence of air mass histories on radical species during the Photochemistry of Ozone Loss in the Arctic Region in Summer (POLARIS) mission: **Journal of Geophysical Research, D, Atmospheres**, 105(12), p. 15,185-15,199, illus. incl. 3 plates, 1 table, sketch map, 45 ref., June 27, 2000.

57003194

Berger, G. W. (Desert Research Institute, Earth and Ecosystem Sciences, Reno, NV) and Anderson, P. M.

Extending the geochronometry of Arctic lake cores beyond the radiocarbon limit by using thermoluminescence: **Journal of Geophysical Research, D, Atmospheres**, 105(12), p. 15,439-15,455, illus. incl. 4 tables, block diag., geol. sketch map, 72 ref., June 27, 2000.

57003195

Brümmer, Burghard (University of Hamburg, Meteorological Institute, Hamburg, Federal Republic of Germany) and Pohlmann, Sophie.

Wintertime roll and cell convection over Greenland and Barents Sea regions; a climatology: **Journal of Geophysical Research, D, Atmospheres**, 105(12), p. 15,559-15,566, illus. incl. block diag., geol. sketch map, 27 ref., June 27, 2000.

57003196

Greuell, Wouter (Utrecht University, Institute for Marine and Atmospheric Research, Utrecht, Netherlands) and Knap, Wouter H.

Remote sensing of the albedo and detection of the slush line on the Greenland ice sheet: **Journal of Geophysical Research, D, Atmospheres**, 105(12), p. 15,567-15,576, illus. incl. 1 table, geol. sketch map, 38 ref., June 27, 2000.

57003197

Thackeray, Fred.

Alaskan gas to be the next mega-project: **Petroleum Review (London, 1968)**, 54(647), p. 46-47, illus. incl. 1 table, geol. sketch map, December 2000.

57003198

Orheim, Olav (Norsk Polarinstitutt, Oslo, Norway).

Following Nansen across Greenland and the Arctic Ocean; two windows for predicting future climate: **Arbok - Norske Videnskaps-Akademi**, 1997, p. 337-345, illus., 32 ref., 2001. Presented at the Nansen memorial lecture, Oct. 10, 1997; original title; I Nansens fotspor over Gronland og Polarbassengen; to vinduer til a forutsi fremtidens klima.

57003199

Decaulne, Armelle (Université Blaise-Pascal, Laboratoire de Géographie Physique, Clermont-Ferrand, France).

Coulées de débris et risques naturels en Islande du nord-ouest [Debris flows and natural hazards in northwestern Iceland]: **Géomorphologie**, 2002(2), p. 151-163 (English sum.), illus. incl. block diag., sects., 2 tables, sketch maps, 29 ref., June 2002.

57003200

Malet, Jean-Philippe (CNRS, Centre d'Études et de Recherches Eco-Géographiques, Strasbourg, France); Macquaire, Olivier and Calais, Eric.

Le GPS en géomorphologie dynamique; application à la surveillance de mouvements de terrain (Super-Sauze, Alpes du Sud, France) [GPS in dynamic geomorphology; application to the survey of landslides, Super-Sauze, southern French Alps]: **Géomorphologie**, 2002(2), p. 165-179 (English sum.), illus. incl. sect., 2 tables, geol. sketch maps, 58 ref., June 2002.

57003201

White, Jennifer.

3-D geologic model of permeability in a deep-water sandstone, East Brae Field, North Sea: 143 p., 26 ref., Doctoral, 2002, Colorado School of Mines, Golden, CO.

57003202

Wright, Amy K.

Subpolar North Atlantic surface and deep ocean circulation during the mid Pleistocene revolution: 163 p., illus. incl. 1 table, 85 ref., Master's, 2002, University of South Florida, FL.

57003203

Dezileau, Laurent (Universidad de Concepción, Programa Regional de Oceanografía Física y Clima, Concepcion, Chile); Bareille, Gilles and Reyss, Jean-Louis.

Enrichissement en uranium authigène dans les sédiments glaciaires de l'océan Austral [Enrichment of authigenic uranium in glacial sediments of the Southern Ocean]: **Comptes Rendus - Académie des sciences. Géoscience**, 334(14), p. 1039-1046 (English sum.), illus. incl. 1 table, sketch map, 23 ref., November 2002.

57003204

Li, Paul H. (University of Minnesota at Saint Paul, St. Paul, MN) and Palva, E. Tapiro, editors.

Plant cold hardiness; gene regulation and genetic engineering: Kluwer Academic/Plenum Publishers, New York, NY, 294 p., illus., 2002. ISBN: 0-306-47286-4. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland. Individual chapters are cited separately.

57003205

Matsumura, Takeshi (Hokkaido Green-Bio Institute, Naganuma, Japan); Tabayashib, Noriko; Kamagata, Yasuyo; Souma, Chihiro and Saruyama, Haruo.

Wheat catalase expressed in transgenic rice plants can improve tolerance against low temperature injury: in Plant cold hardiness; gene regulation and genetic engineering (Li, Paul H., editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 277-287, illus., 46 ref., 2002. *Meeting:* Sixth international Plant cold hardiness seminar, July 1-5, 2001, Helsinki, Finland.

57003206

Rodebaugh, Amy L.

The stable isotopic composition of nitrous oxide over the last century, derived from South Pole firn air, as a proxy for the changing nitrous oxide budget: 105 p., illus. incl. 4 tables, 80 ref., Master's, May 2002, Pennsylvania State University, University Park, University Park, PA.

57003207

Kimball, James Patrick.

Late Quaternary environmental change as inferred from diatoms of the sediments of Bear Lake, Utah/Idaho: 109 p., illus. incl. 4 tables, 79 ref., Master's, December 2001, University of Utah, Salt Lake City, UT.

57003208

Etchevers, P. (Meteo-France/CNRM/CEN, Grenoble, France); Golaz, C.; Habets, F. and Noilhan, J.

Impact of a climate change on the Rhone River catchment hydrology: **Journal of Geophysical Research, D, Atmospheres**, 107(16), 18 p., illus. incl. 3 tables, geol. sketch map, 35 ref., August 27, 2002.

57003209

Wylie, Donald P. (University of Wisconsin-Madison, Space Science and Engineering Center, Madison, WI) and Hudson, James G.

Effects of long-range transport and clouds on cloud condensation nuclei in the springtime Arctic: **Journal of Geophysical Research, D, Atmospheres**, 107(16), 11 p., illus. incl. 2 tables, geol. sketch maps, 32 ref., August 27, 2002.

57003210

Hamlin, Amy J. (Michigan Technological University, Department of Civil and Environmental Engineering, Houghton, MI) and Honrath, Richard E.

A modeling study of the impact of winter-spring arctic outflow on the NO_x and O₃ budgets of the North Atlantic troposphere: **Journal of Geophysical Research, D, Atmospheres**, 107(16), 16 p., 75 ref., August 27, 2002.

57003211

Wetzel, G. (Universität Karlsruhe, Institute für Meteorologie und Klimaforschung, Karlsruhe, Federal Republic of Germany); Oelhaf, H.; Ruhnke, R.; Friedl-Vallon, F.; Kleinert, A.; Kouker, W.; Maucher, G.; Reddmann, T.; Seefeldner, M.; Stowasser, M.; Trieschmann, O.; von Claremann, T. and Fischer, H.

NO_y partitioning and budget and its correlation with N₂O in the Arctic vortex and in summer midlatitudes in 1997: **Journal of Geophysical Research, D, Atmospheres**, 107(16), 10 p., illus. incl. 3 tables, geol. sketch map, 62 ref., August 27, 2002.

57003212

Brown, Scott R.

Quaternary geology of Door County, Wisconsin, and implications for regional flow patterns of the Green Bay Lobe: 144 p., illus. incl. 1 table, 90 ref., Master's, 2001, University of Wisconsin-Madison, Madison, WI.

57003213

Dansart, Ann M.

Effects of sand-filled ice-wedge casts on the spatial variability of unsaturated flow and mass transport: 107 p., 102 ref., Master's, 2001, University of Wisconsin-Madison, Madison, WI.

57003214

Hildreth, Matthew D.

Surficial geology and late Weichselian ice sheet thickness at Skorgedalen, western Norway: 73 p., 53 ref., Master's, 2001, University of Wisconsin-Madison, Madison, WI.

57003215

LaBlanc, Kelly Jo.

A GIS-based study of sedimentation rates and sediment fluxes of the Lake Michigan and Green Bay Lobes of the southern Laurentide ice sheet: 126 p., 74 ref., Master's, 2001, University of Wisconsin-Madison, Madison, WI.

57003216

Zentner, Matthew Aron.

Timing and mechanisms of groundwater recharge in a mountainous terrain of a temperate climate: 105 p., illus. incl. 12 tables, 23 ref., Master's, April 2001, Brigham Young University, Provo, UT.

57003217

Leavitt, Aaron J.

Stratigraphic architecture of mid-ramp, icehouse carbonates; a case study from the Desmoinesian strata (Middle Pennsylvanian) of Arrow Canyon, southern Nevada: 53 p., illus., 36 ref., Master's, April 2002, Brigham Young University, Provo, UT.

57003218

Robinson, Ty S.

Stratigraphic architecture of an intermittently emergent, sea-level dominated, icehouse shelf; a case study from Permo-Carboniferous boundary strata of western Utah: 51 p., illus. incl. 1 table, 25 ref., Master's, April 2002, Brigham Young University, Provo, UT. *Conodonts, Foraminifera*

57003219

Naftz, David L. (U. S. Geological Survey, Salt Lake City, UT); Susong, David D.; Schuster, Paul F.; Cecil, L. DeWayne; Dettinger, Michael D.; Michel, Robert L. and Kendall, Carol. Ice core evidence of rapid air temperature increases since 1960 in alpine areas of the Wind River Range, Wyoming, United States: **Journal of Geophysical Research, D, Atmospheres**, 107(13), 16 p., illus. incl. 5 tables, sects., 32 ref., July 16, 2002.

57003220

Greenwald, Thomas J. (Colorado State University, Cooperative Institute for Research in the Atmosphere, Fort Collins, CO) and Christopher, Sundar A.

Effect of cold clouds on satellite measurements near 183 GHz: **Journal of Geophysical Research, D, Atmospheres**, 107(13), 8 p., illus. incl. 1 table, 22 ref., July 16, 2002.

57003221

Turner, J. (British Antarctic Survey, Natural Environment Research Council, Cambridge, United Kingdom); Lachlan-Cope, T. A.; Marshall, G. J.; Morris, E. M.; Mulvaney, R. and Winter, W.

Spatial variability of Antarctic Peninsula net surface mass balance: **Journal of Geophysical Research, D, Atmospheres**, 107(13), 18 p., illus. incl. 3 tables, geol. sketch maps, 53 ref., July 16, 2002.

57003222

Key, Jeffrey R. (NOAA, Office of Research and Applications, Madison, WI); Yang, Ping; Baum, Bryan A. and Nasiri, Shaima L.

Parameterization of shortwave ice cloud optical properties for various particle habits: **Journal of Geophysical Research, D, Atmospheres**, 107(13), 16 p., illus. incl. 2 tables, 35 ref., July 16, 2002.

57003223

Bard, Edouard (CEREGE, Collège de France, Aix-en-Provence, France).

Climate shock; abrupt changes over millennial time scales: **Physics Today**, 55(12), p. 32-38, illus., 18 ref., December 2002.

57003224

Golitsyn, Georgi (Russian Academy of Sciences, A. M. Obukhov Institute of Physics of the Atmosphere, Russian Federation).

Methane.. and hothouse effect: **Science in Russia**, 2002(6), p. 40-43, illus., December 2002.

57003225

Novikov, Valery ("Ugra" National Park) and Gordeyeva, Tatyana.

Fluvial plain lakes off the Oka: **Science in Russia**, 2002(6), p. 102-110, illus., December 2002.

57003226

Hughes, Gary B. (Raytheon Vision Systems, Goleta, CA); Giegengack, Robert and Kritikos, Haralambos N.

Modern spectral climate patterns in rhythmically deposited argillites of the Gowganda Formation (early Proterozoic), southern Ontario, Canada: **Earth and Planetary Science Letters**, 207(1-4), p. 13-22, illus., 29 ref., February 28, 2003.

57003227

Heki, Kosuke (National Astronomical Observatory, Division of Earth Rotation, Iwate, Japan).

Snow load and seasonal variation of earthquake occurrence in Japan: **Earth and Planetary Science Letters**, 207(1-4), p. 159-164, illus. incl. sketch maps, 20 ref., February 28, 2003.

57003228

Kullman, Leif (Umea University, Department of Ecology and Environmental Science, Umea, Sweden).

Recent reversal of Neoglacial climate cooling trend in the Swedish Scandes as evidenced by mountain birch tree-limit rise: **Global and Planetary Change**, 36(1-2), p. 77-88, illus. incl. 1 table, sketch map, 58 ref., March 2003.

57003229

Dole, Krishna P. (University of California at Santa Cruz, Department of Environmental Studies, Santa Cruz, CA); Loik, Michael E. and Sloan, Lisa Cirbus.

The relative importance of climate change and the physiological effects of CO₂ on freezing tolerance for the future distribution of *Yucca brevifolia*: **Global and Planetary Change**, 36(1-2), p. 137-146, illus. incl. sketch maps, 58 ref., March 2003.

57003230

Nyholm, Thomas (University of Aarhus, Department of Earth Sciences, Aarhus, Denmark); Rasmussen, Keld R. and Christensen, Steen.

Estimation of stream flow depletion and uncertainty from discharge measurements in a small alluvial stream: **Journal of Hydrology**, 274(1-4), p. 129-144, illus. incl. 3 tables, sketch map, 30 ref., April 1, 2003. Includes appendix.

57003231

Archer, David (Jeremy Benn Associates, Skipton, United Kingdom).

Contrasting hydrological regimes in the upper Indus Basin: **Journal of Hydrology**, 274(1-4), p. 198-210, illus. incl. 6 tables, sketch map, 11 ref., April 1, 2003.

57003232

Muller, Serge D. (Université de Montréal, Département de Géographie, Montreal, PQ, Canada); Richard, Pierre J. H.; Guiot, Joël; de Beaulieu, Jacques-Louis and Fortin, David.

Postglacial climate in the St. Lawrence Lowlands, southern Québec; pollen and lake-level evidence: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 193(1), p. 51-72, illus. incl. 3 tables, sketch maps, 94 ref., April 1, 2003.

57003233

Fagel, Nathalie (University of Liege, Clay Geology, Liege, Belgium); Boski, T.; Likhoshway, L. and Oberhänsli, H.

Late Quaternary clay mineral record in central Lake Baikal (Academician Ridge, Siberia): **Palaeogeography, Palaeoclimatology, Palaeoecology**, 193(1), p. 159-179, illus. incl. sect., sketch map, 53 ref., April 1, 2003.

57003234

Hattori, Yuji (Hiroshima University, Department of Earth and Planetary Systems Science, Higashi-Hiroshima, Japan); Suzuki, Katsuhiko; Honda, Masatoshi and Shimizu, Hiroshi.

Re-Os isotope systematics of the Taklimakan Desert sands, moraines and river sediments around the Taklimakan Desert, and of Tibetan soils: **Geochimica et Cosmochimica Acta**, 67(6), p. 1195-1205, illus. incl. 4 tables, sketch map, 22 ref., March 2003.

57003235

de Abreu, Lucia (University of Cambridge, Department of Earth Sciences, Cambridge, United Kingdom); Shackleton, Nicholas J.; Schönfeld, Joachim; Hall, Michael and Chapman, Mark.

Millennial-scale oceanic climate variability off the western Iberian margin during the last two glacial periods: **Marine Geology**, 196(1-2), p. 1-20, illus. incl. 1 table, sketch map, 89 ref., April 15, 2003.

57003236

Nave, Silvia (Instituto Geológico e Mineiro, Departamento de Geologia Marinha, Alfragide, Portugal); Salgueiro, Emilia and Abrantes, Fatima.

Siliceous sedimentary record of the last 280 kyr in the Canary Basin (NW Africa): **Marine Geology**, 196(1-2), p. 21-35, illus. incl. 3 tables, sketch maps, 55 ref., April 15, 2003. *Foraminifera, Radiolaria, diatoms*

57003237

Rasmussen, S. (University of Aarhus, Department of Earth Sciences, Aarhus, Denmark); Lykke-Andersen, H.; Kuijpers, A. and Troelstra, S. R.
Post-Miocene sedimentation at the continental rise of Southeast Greenland; the interplay between turbidity and contour currents: **Marine Geology**, 196(1-2), p. 37-52, illus. incl. sects., sketch maps, 33 ref., April 15, 2003.

57003238

Antonioli, Fabrizio (ENEA National Agency for New Technologies, Energy and Environment, Rome, Italy); Kershaw, Steve; Rust, Derek and Verrubbi, Vladimiro.
Holocene sea-level change in Sicily and its implications for tectonic models; new data from the Taormina area, Northeast Sicily: **Marine Geology**, 196(1-2), p. 53-71, illus. incl. 1 table, sketch maps, 30 ref., April 15, 2003.

57003239

Stokes, Chris R. (University of Reading, Landscape and Landform Research Group, Reading, United Kingdom) and Clark, Chris D.
Laurentide ice streaming on the Canadian Shield; a conflict with the soft-bedded ice stream paradigm?: **Geology (Boulder)**, 31(4), p. 347-350, illus. incl. sketch maps, 36 ref., April 2003.

57003240

Roark, E. Brendan (University of California at Berkeley, Department of Geography, Berkeley, CA); Ingram, B. Lynn; Southon, John and Kennett, James P.
Holocene foraminiferal radiocarbon record of paleocirculation in the Santa Barbara Basin: **Geology (Boulder)**, 31(4), p. 379-382, illus. incl. sketch map, 29 ref., April 2003. With GSA Data Repository Item 2003046.

57003241

Forbes, Scott; Grose-Hodge, Sue; Hewitt, Gillian; O'Connor, Siobhan; Shrubb, Sarah; Beaumont, Carolyn; Cheifetz, Anna; Double, Clare; Etherington, Kate; Imwold, Denise and Jackson, Heather, editors.
Geographica; the complete illustrated atlas of the world: Barnes and Noble, New York, NY, 618 p., illus. incl. sketch maps, 2002. ISBN: 0-7607-2714-7.
publisher <http://www.randomhouse.com.au>

57003242

Kuijpers, A. (Geological Survey of Denmark and Greenland, Copenhagen, Denmark); Troelstra, S. R.; Prins, M. A.; Linthout, K.; Akhmetzhanov, A.; Bouryak, S.; Bachmann, M. F.; Lassen, S.; Rasmussen, S. and Jensen, J. B.
Late Quaternary sedimentary processes and ocean circulation changes at the Southeast Greenland margin: *in* Sedimentary processes and seafloor hydrocarbon emissions on deep European continental margins (Ivanov, Michael K., editor; *et al.*), **Marine Geology**, 195(1-4), p. 109-129, illus. incl. sects., strat. cols., 1 table, sketch maps, 61 ref., March 30, 2003. Meeting: Congress on Geological processes on deepwater European margins, Feb. 2001, Moscow, Russian Federation.

57003243

Smith, Walker O., Jr. (College of William and Mary, Virginia Institute of Marine Sciences, Gloucester Point, VA) and Anderson, Robert F., editors.

US Southern Ocean JGOFS Program (AESOPS); Part III: **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 50(3-4), p. 529-851, illus. incl. tables, sketch maps, 2003. Individual papers are cited separately.

publisher <http://www.elsevier.com/locate/dsr2>

57003244

Hiscock, Michael R. (Duke University, Nicholas School of the Environment and Earth Sciences, Beaufort, NC); Marra, John; Smith, Walker O., Jr.; Goericke, Ralf; Measures, Chris; Vink, Sue; Olson, Robert J.; Sosik, Heidi M. and Barber, Richard T.

Primary productivity and its regulation in the Pacific sector of the Southern Ocean: *in* US Southern Ocean JGOFS Program (AESOPS); Part III (Smith, Walker O., Jr., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 50(3-4), p. 533-558, illus., 135 ref., 2003. NSF Grants OPP-9530611, OPP-9531990, OCE-9530961, OPP-9530718 and OPP-9531981.

57003245

Vaillancourt, Robert D. (Lamont-Doherty Earth Observatory, Palisades, NY); Marra, John; Barber, Richard T. and Smith, Walker O., Jr.

Primary productivity and in situ quantum yields in the Ross Sea and Pacific sector of the Antarctic Circumpolar Current: *in* US Southern Ocean JGOFS Program (AESOPS); Part III (Smith, Walker O., Jr., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 50(3-4), p. 559-578, illus. incl. 2 tables, sketch map, 84 ref., 2003.

57003246

Buesseler, Ken O. (Woods Hole Oceanographic Institution, Department of Marine Chemistry and Geochemistry, Woods Hole, MA); Barber, Richard T.; Dickson, Mary-Lynn; Hiscock, Michael R.; Moore, Jefferson Keith and Sambrotto, Raymond.

The effect of marginal ice-edge dynamics on production and export in the Southern Ocean along 170°W: *in* US Southern Ocean JGOFS Program (AESOPS); Part III (Smith, Walker O., Jr., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 50(3-4), p. 579-603, illus. incl. 3 tables, 68 ref., 2003. NSF Grants OPP-9530861, OPP-9531981 and OPP-9530746.

57003247

Smith, Walker O., Jr. (College of William and Mary, Virginia Institute of Marine Science, Gloucester Point, VA); Dennett, Mark R.; Mathot, Sylvie and Caron, David A.

The temporal dynamics of the flagellated and colonial stages of Phaeocystis antarctica in the Ross Sea: *in* US Southern Ocean JGOFS Program (AESOPS); Part III (Smith, Walker O., Jr., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 50(3-4), p. 605-617, illus. incl. 1 table, sketch map, 68 ref., 2003. NSF Grants OPP-9531990 and OCE-9634341.

57003248

Brzezinski, Mark A. (University of California at Santa Barbara, Department of Ecology Evolution and Marine Biology and the Marine Science Institute, Santa Barbara, CA); Dickson, Mary-Lynn; Nelson, David M. and Sambrotto, Raymond.

Ratios of Si, C and N uptake by microplankton in the Southern Ocean: *in* US Southern Ocean JGOFS Program (AESOPS); Part III (Smith, Walker O., Jr., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 50(3-4), p. 619-633, illus. incl. 1 table, sketch map, 67 ref., 2003.

57003249

Coale, Kenneth H. (California State University, Moss Landing Marine Laboratories, Moss Landing, CA); Wang, Xiujun; Tanner, Sara J. and Johnson, Kenneth S.

Phytoplankton growth and biological response to iron and zinc addition in the Ross Sea and Antarctic Circumpolar Current along 170°W: *in US Southern Ocean JGOFS Program (AESOPS); Part III (Smith, Walker O., Jr., editor; et al.), Deep-Sea Research. Part II: Topical Studies in Oceanography*, 50(3-4), p. 635-653, illus. incl. 6 tables, sketch map, 71 ref., 2003. NSF Grants OCE-9911481 and OCE-9530762; includes appendix.

57003250

Gardner, Wilford D. (Texas A&M University, Department of Oceanography, College Station, TX); Richardson, Mary Jo; Carlson, Craig A.; Hansell, Dennis and Mishonov, Alexey V.

Determining true particulate organic carbon; bottles, pumps and methodologies: *in US Southern Ocean JGOFS Program (AESOPS); Part III (Smith, Walker O., Jr., editor; et al.), Deep-Sea Research. Part II: Topical Studies in Oceanography*, 50(3-4), p. 655-674, illus. incl. 3 tables, 72 ref., 2003. NSF Grants OCE-9530837 and OCE-9530845.

57003251

Dagg, Michael J. (Louisiana Universities Marine Consortium, Chauvin, LA); Urban-Rich, Juanita and Peterson, Jay O.

The potential contribution of fecal pellets from large copepods to the flux of biogenic silica and particulate organic carbon in the Antarctic Polar Front region near 170°W: *in US Southern Ocean JGOFS Program (AESOPS); Part III (Smith, Walker O., Jr., editor; et al.), Deep-Sea Research. Part II: Topical Studies in Oceanography*, 50(3-4), p. 675-691, illus. incl. 4 tables, 46 ref., 2003. NSF Grant OPP-9530819.

57003252

Fleisher, Martin Q. (Lamont-Doherty Earth Observatory, Palisades, NY) and Anderson, R. F.

Assessing the collection efficiency of Ross Sea sediment traps using ^{230}Th and ^{231}Pa : *in US Southern Ocean JGOFS Program (AESOPS); Part III (Smith, Walker O., Jr., editor; et al.), Deep-Sea Research. Part II: Topical Studies in Oceanography*, 50(3-4), p. 693-712, illus. incl. 3 tables, sketch map, 31 ref., 2003. NSF Grants OPP-9530379 and OPP-9530398.

57003253

Ingalls, Anitra E. (Stony Brook University, Marine Sciences Research Center, Stony Brook, NY); Lee, Cindy; Wakeham, Stuart G. and Hedges, John I.

The role of biominerals in the sinking flux and preservation of amino acids in the Southern Ocean along 170°W: *in US Southern Ocean JGOFS Program (AESOPS); Part III (Smith, Walker O., Jr., editor; et al.), Deep-Sea Research. Part II: Topical Studies in Oceanography*, 50(3-4), p. 713-738, illus. incl. 8 tables, 101 ref., 2003.

57003254

Chase, Zanna (Columbia University, Lamont-Doherty Earth Observatory, Palisades, NY); Anderson, Robert F.; Fleisher, Martin Q. and Kubik, Peter W.

Scavenging of ^{230}Th , ^{231}Pa and ^{10}Be in the Southern Ocean (SW Pacific sector); the importance of particle flux, particle composition and advection: *in US Southern Ocean JGOFS Program (AESOPS); Part III (Smith, Walker O., Jr., editor; et al.), Deep-Sea Research. Part II: Topical Studies in Oceanography*, 50(3-4), p. 739-768, illus. incl. 10 tables, 68 ref., 2003. NSF Grant OPP-9530379.

57003255

Fennel, Katja (Oregon State University, College of Oceanic and Atmospheric Sciences, New Brunswick, NJ); Abbott, Mark R.; Spitz, Yvette H.; Richman, James G. and Nelson, David M.

Modeling controls of phytoplankton production in the Southwest Pacific sector of the Southern Ocean: *in* US Southern Ocean JGOFS Program (AESOPS); Part III (Smith, Walker O., Jr., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 50(3-4), p. 769-798, illus. incl. 7 tables, sketch map, 112 ref., 2003.

57003256

Chase, Zanna (Columbia University, Lamont-Doherty Earth Observatory, Palisades, NY); Anderson, Robert F.; Fleisher, Martin Q. and Kubik, Peter W.

Accumulation of biogenic and lithogenic material in the Pacific sector of the Southern Ocean during the past 40,000 years: *in* US Southern Ocean JGOFS Program (AESOPS); Part III (Smith, Walker O., Jr., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 50(3-4), p. 799-832, illus. incl. 5 tables, sketch map, 102 ref., 2003. NSF Grants OPP-9530379, OPP-9530398 and OCE-0002380.

57003257

Fennel, Katja (Oregon State University, College of Oceanic and Atmospheric Sciences, New Brunswick, NJ); Abbott, Mark R.; Spitz, Yvette H.; Richman, James G. and Nelson, David M.

Impacts of iron control on phytoplankton production in the modern and glacial Southern Ocean: *in* US Southern Ocean JGOFS Program (AESOPS); Part III (Smith, Walker O., Jr., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 50(3-4), p. 833-851, illus. incl. 1 table, 94 ref., 2003.

57003258

Ferrier, Robert C. (Macaulay Land Use Research Institute, Aberdeen, United Kingdom).

The DYNAMO Project; an introduction: *in* The DYNAMO Project; dynamic models to predict and scale up the impact of environmental change on biogeochemical cycling (Ferrier, Robert C., editor; *et al.*), **Hydrology and Earth System Sciences**, 2(4), p. 375-383, illus. incl. 4 tables, 37 ref., December 1998.

57003259

Wright, Richard F. (Norwegian Institute for Water Research, Oslo, Norway); Emmett, Bridget A. and Jenkins, Alan.

Acid deposition, land-use change and global change; MAGIC 7 model applied to Aber, UK (NITREX project) and Risdalsheia, Norway (RAIN and CLIMEX projects): *in* The DYNAMO Project; dynamic models to predict and scale up the impact of environmental change on biogeochemical cycling (Ferrier, Robert C., editor; *et al.*), **Hydrology and Earth System Sciences**, 2(4), p. 385-397, illus. incl. 6 tables, 41 ref., December 1998.

57003260

Wright, Richard F. (Norwegian Institute for Water Research, Oslo, Norway); Beier, Claus and Cosby, Bernard J.

Effects of nitrogen deposition and climate change on nitrogen runoff at Norwegian boreal forest catchments; the MERLIN model applied to Risdalsheia (RAIN and CLIMEX projects): *in* The DYNAMO Project; dynamic models to predict and scale up the impact of environmental change on biogeochemical cycling (Ferrier, Robert C., editor; *et al.*), **Hydrology and Earth System Sciences**, 2(4), p. 399-414, illus. incl. 6 tables, 30 ref., December 1998.

57003261

Kjonaas, O. Janne (Norwegian Forest Research Institute, Aas, Norway) and Wright, Richard F.

Nitrogen leaching from N limited forest ecosystems; the MERLIN model applied to Gardsjon, Sweden: *in* The DYNAMO Project; dynamic models to predict and scale up the impact of environmental change on biogeochemical cycling (Ferrier, Robert C., editor; *et al.*), **Hydrology and Earth System Sciences**, 2(4), p. 415-429, illus. incl. 4 tables, 48 ref., December 1998.

57003262

Kamari, Julia (Finnish Environment Institute, Helsinki, Finland); Rankinen, Katri; Finer, Leena; Piirainen, Sirpa and Posch, Maximillian.

Modelling the response of soil and runoff chemistry to forest harvesting in a low deposition area (Kangasvaara, eastern Finland): *in* The DYNAMO Project; dynamic models to predict and scale up the impact of environmental change on biogeochemical cycling (Ferrier, Robert C., editor; *et al.*), **Hydrology and Earth System Sciences**, 2(4), p. 485-495, illus. incl. 3 tables, sketch map, 45 ref., December 1998.

57003263

Wadhams, Peter (University of Cambridge, Scott Polar Research Institute, Cambridge, United Kingdom); Gascard, Jean-Claude and Miller, Lisa A., editors.

The European subpolar ocean programme; sea ice-ocean interactions, deep convection and carbon cycling in the Greenland Sea: **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 46(6-7), p. 1011-1530, illus., 1999. Individual papers within scope are cited separately.

57003264

Noji, Thomas T. (Institute of Marine Research, Bergen, Norway); Rey, Francisco; Miller, Lisa A.; Borsheim, Knut Yngve and Urban-Rich, Juanita.

Fate of biogenic carbon in the upper 200 m of the central Greenland Sea: *in* The European subpolar ocean programme; sea ice-ocean interactions, deep convection and carbon cycling in the Greenland Sea (Wadhams, Peter, editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 46(6-7), p. 1497-1509, illus. incl. 1 table, geol. sketch map, 49 ref., 1999.

57003265

Zenk, Walter (Christian-Albrechts-Universität, Institut für Meereskunde, Kiel, Federal Republic of Germany); Peterson, Ray G. and Lutjeharms, Johann R. E., editors.

New views of the Atlantic; a tribute to Gerold Siedler: **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 46(1-2), 527 p., illus., 1999. Individual papers within scope are cited separately.

57003270

Gupta, Abir (1D Second Street, Kailash Apartment, Flat-G2, Santoshpur, India).

Role of storm in Ramgarh and West Bokaro coalfields and its implication in adjacent peninsular Gondwana coalfields, India: **Gondwana Research**, 3(4), p. 529-544, illus. incl. 2 tables, geol. sketch maps, 89 ref., October 2000.

57003271

Goldman, Erica B. (University of Washington, Seattle, WA).

A tale of two lakes: **Sciences (New York)**, 41(1), p. 9-13, illus., February 2001.

57003272

Moorman, Brian J. (University of Calgary, Earth Science Program, Calgary, AB, Canada) and Michel, Frederick A.

Glacial hydrological system characterization using ground-penetrating radar: *in* Canadian Geophysical Union, Hydrology Section (Marsh, Philip, editor), **Hydrological Processes**, 14(15), p. 2645-2667, illus. incl. 1 table, geol. sketch map, 32 ref., October 30, 2000. *Meeting:* May 1999, Banff, AB, Canada.

57003273

Parviaainen, J. (University of Saskatchewan, Department of Agricultural and Bioresource Engineering, Saskatoon, SK, Canada) and Pomeroy, J. W.

Multiple-scale modelling of forest snow sublimation; initial findings: *in* Canadian Geophysical Union, Hydrology Section (Marsh, Philip, editor), **Hydrological Processes**, 14(15), p. 2669-2681, illus. incl. 1 table, 23 ref., October 30, 2000. *Meeting:* May 1999, Banff, AB, Canada.

57003274

Faria, D. A. (University of Saskatoon, Division of Hydrology, Saskatoon, SK, Canada); Pomeroy, J. W. and Essery, R. L. H.

Effect of covariance between ablation and snow water equivalent on depletion of snow-covered area in a forest: *in* Canadian Geophysical Union, Hydrology Section (Marsh, Philip, editor), **Hydrological Processes**, 14(15), p. 2683-2695, illus. incl. 2 tables, sketch map, 28 ref., October 30, 2000. *Meeting:* May 1999, Banff, AB, Canada.

57003275

Coulibaly, Paulin (Université Laval, Department of Civil Engineering, Sainte-Foy, PQ, Canada); Anctil, François; Ramusmussen, Peter and Bobée, Bernard.

A recurrent neural networks approach using indices of low-frequency climatic variability to forecast regional annual runoff: *in* Canadian Geophysical Union, Hydrology Section (Marsh, Philip, editor), **Hydrological Processes**, 14(15), p. 2755-2777, illus. incl. 1 table, geol. sketch map, 87 ref., October 30, 2000. *Meeting:* May 1999, Banff, AB, Canada.

57003276

Christensen, Niels B. (Aarhus University, Department of Earth Sciences, Aarhus, Denmark) and Sorensen, Kurt.

Pulled array continuous electrical sounding with an additional inductive source; an experimental design study: **Geophysical Prospecting**, 49(2), p. 241-254, illus. incl. block diag., 17 ref., March 2001.

57003277

Pautet, L. (Scripps Institution of Oceanography, Marine Physical Laboratory, La Jolla, CA); Kuperman, W. A. and Dorman, L.

Using refracted shear waves for velocity estimation: **Geophysical Prospecting**, 49(2), p. 281-286, illus. incl. sect., 10 ref., March 2001.

57003278

Tattari, S. (Finnish Environment Institute, Helsinki, Finland) and Barlund, I.

The concept of sensitivity in sediment yield modeling: *in* Making the connection; how do sediments and contaminants move through the catchment system? (White, S. M., editor), **Physics and Chemistry of the Earth, Part B: Hydrology, Oceans and Atmosphere**, 26(1), p. 27-31, illus. incl. 1 table, 14 ref., 2001.

57003279

Francos, A. (Environment Institute, Joint Research Centre, Ispra, Italy); Bidoglio, G.; Galbiati, L.; Bouraoui, F.; Elorza, F. J.; Rekolainen, S.; Manni, K. and Granlund, K.
Hydrological and water quality modelling in a medium-sized coastal basin: *in* Making the connection; how do sediments and contaminants move through the catchment system? (White, S. M., editor), **Physics and Chemistry of the Earth, Part B: Hydrology, Oceans and Atmosphere**, 26(1), p. 47-52, illus. incl. 5 tables, geol. sketch maps, 17 ref., 2001.

57003280

Gomez, B. (Indiana State University, Geomorphology Laboratory, Terre Haute, IN); Smith, L. C.; Magilligan, F. J.; Mertes, L. A. K. and Smith, N. D.
Glacier outburst floods and outwash plain development; Skeidararsandur, Iceland: **Terra Nova**, 12(3), p. 126-131, illus., 23 ref., June 2000.

57003281

Rossi, G. (OGS, Trieste, Italy); Vesnaver, A. and Petersen, S. A.
Anisotropy detection by tomography and polarization analysis in a 3D three-component VSP: **First Break**, 19(4), p. 191-200, illus., 12 ref., April 2001.

57003282

Grasby, Stephen E. (Geological Survey of Canada, Canada) and Chen, Zhuoheng.
Impact of Pleistocene glaciation on the hydrodynamics of the Western Canada Sedimentary Basin: **Reservoir**, 28(5), p. 16, May 2001.

57003283

Quale, Eileen A. (Society of Petroleum Engineers, Trondheim, Norway); Crapez, Benedicte; Stensen, Jan A. and Berge, Lars Inge.
Optimized SWAG injection: *in* Offshore production and development (Tollefsen, Svein, prefacer), **JPT. Journal of Petroleum Technology**, 53(4), p. 48, 50-51, sect., April 2001.

57003284

Palmer, Andrew (Cambridge University, Society of Petroleum Engineers, Cambridge, United Kingdom).

Are we ready to construct submarine pipelines in the Arctic?: *in* Offshore production and development (Tollefsen, Svein, prefacer), **JPT. Journal of Petroleum Technology**, 53(4), p. 55-56, April 2001.

57003285

Lehmann, A. (Institute of Marine Research, Kiel, Federal Republic of Germany) and Hinrichsen, H. H.

The importance of water storage variations for water balance studies of the Baltic Sea: *in* Energy and water cycles over large and medium-sized catchments (Raschke, E., editor; *et al.*), **Physics and Chemistry of the Earth, Part B: Hydrology, Oceans and Atmosphere**, 26(5-6), p. 383-389, illus. incl. 2 tables, geol. sketch map, 16 ref., 2001. *Meeting:* Symposium OA22 at the EGS assemblies, April 2000, Nice, France.

57003286

Clemens, M. (University of Kiel, Institut für Meereskunde, Kiel, Federal Republic of Germany) and Bumke, K.

A comparison of precipitation in-situ measurements and model predictions over the Baltic Sea area: *in Energy and water cycles over large and medium-sized catchments* (Raschke, E., editor; *et al.*), **Physics and Chemistry of the Earth, Part B: Hydrology, Oceans and Atmosphere**, 26(5-6), p. 437-442, illus. incl. 2 tables, sketch maps, 6 ref., 2001. *Meeting: Symposium OA22 at the EGS assemblies, April 2000, Nice, France.*

57003287

Hesthammer, J. (Statoil, Bergen, Norway) and Fossen, H.

Structural core analysis from the Gullfaks area, northern North Sea: **Marine and Petroleum Geology**, 18(3), p. 411-439, illus. incl. geol. sketch maps, 76 ref., March 2001.

57003288

Merilainen, Jarmo J. (University of Jyvaskyla, Institute for Environmental Research, Jyvaskyla, Finland); Hynynen, Juhani; Palomaki, Arja; Veijola, Heikki; Witick, Allan; Mantykoski, Keijo; Granberg, Kaj and Lehtinen, Kari.

Pulp and paper mill pollution and subsequent ecosystem recovery of a large boreal lake in Finland; a palaeolimnological analysis: **Journal of Paleolimnology**, 26(1), p. 11-35, illus. incl. 6 tables, sketch maps, 72 ref., June 2001.

57003289

Davydova, Natalya N. (Russian Academy of Sciences, Institute of Limnology, Saint Petersburg, Russian Federation); Subetto, Dmitry A.; Khomutova, Valentina I. and Sapelko, Tatjana V.

Late Pleistocene-Holocene paleolimnology of three northwestern Russian lakes: **Journal of Paleolimnology**, 26(1), p. 37-51, illus. incl. sketch map, 20 ref., June 2001. *diatoms, palynomorphs*

57003290

Cremer, Holger (Alfred Wegener Institute for Polar and Marine Research, Research Department Potsdam, Potsdam, Federal Republic of Germany); Wagner, Bernd; Melles, Martin and Hubberten, Hans-Wolfgang.

The postglacial environmental development of Raffles So, East Greenland; inferences from a 10,000 year diatom record: **Journal of Paleolimnology**, 26(1), p. 67-87, illus. incl. 2 plates, 2 tables, geol. sketch map, 92 ref., June 2001.

57003291

Ek, Anna S. (Umea University, Department of Ecology and Environmental Science, Umea, Sweden) and Renberg, Ingemar.

Heavy metal pollution and lake acidity changes caused by one thousand years of copper mining at Falun, central Sweden: **Journal of Paleolimnology**, 26(1), p. 89-107, illus. incl. 1 table, geol. sketch maps, 66 ref., June 2001.

57003292

Ullman, David S. (University of Rhode Island, Graduate School of Oceanography, Narragansett, RI) and Cornillon, Peter C.

Continental shelf surface thermal fronts in winter off the Northeast US coast: **Continental Shelf Research**, 21(11-12), p. 1139-1156, illus. incl. geol. sketch maps, 25 ref., August 2001.

57003293

Sternberg, R. W. (University of Washington, School of Oceanography, Seattle, WA); Aagaard, K.; Cacchione, D.; Wheatcroft, R. A.; Beach, R. A.; Roach, A. T. and Marsden, M. A. H.

Long-term near-bed observations of velocity and hydrographic properties in the Northwest Barents Sea with implications for sediment transport: **Continental Shelf Research**, 21(5), p. 509-529, illus. incl. 6 tables, geol. sketch map, 14 ref., March 2001.

57003294

Eslinger, David L. (University of Alaska, Institute of Marine Science, Fairbanks, AK) and Iverson, Richard L.

The effects of convective and wind-driven mixing on spring phytoplankton dynamics in the southeastern Bering Sea middle shelf domain: **Continental Shelf Research**, 21(6-7), p. 627-650, illus. incl. 2 tables, geol. sketch map, 51 ref., May 2001.

57003295

Huggel, Christian (University of Zurich, Department of Geography, Zurich, Switzerland); Käab, Andreas; Haeberli, Wilfried; Teyssiere, Philippe and Paul, Frank.

Remote sensing based assessment of hazards from glacier lake outbursts; a case study in the Swiss Alps: **Canadian Geotechnical Journal = Revue Canadienne de Géotechnique**, 39(2), p. 316-330 (French sum.), illus. incl. 5 tables, sketch maps, 58 ref., April 2002.

57003296

Tighe, Susan (University of Waterloo, Department of Civil Engineering, Waterloo, ON, Canada).

Evaluation of subgrade and climatic zone influences on pavement performance in the Canadian Strategic Highway Program's (C-SHRP) long-term pavement performance (LTPP) study: **Canadian Geotechnical Journal = Revue Canadienne de Géotechnique**, 39(2), p. 377-387 (French sum.), illus. incl. 3 tables, sketch map, 8 ref., April 2002.

57003297

Millot, Romain (Université de Paris VII, Laboratoire de Géochimie et Cosmochimie, Paris, France); Gaillardet, Jérôme; Dupré, Bernard and Allègre, Claude Jean.

Northern latitude chemical weathering rates; clues from the Mackenzie River basin, Canada: **Geochimica et Cosmochimica Acta**, 67(7), p. 1305-1329, illus. incl. 5 tables, sketch map, 30 ref., April 1, 2003. Inst. Phys. Globe de Paris, Contrib. No. 1847.

57003298

Rashid, Harunur (McGill University, Earth and Planetary Sciences, Montreal, PQ, Canada); Hesse, Reinhard and Piper, David J. W.

Origin of unusually thick Heinrich layers in ice-proximal regions of the Northwest Labrador Sea: **Earth and Planetary Science Letters**, 208(3-4), p. 319-336, illus. incl. 2 tables, sketch maps, 50 ref., March 30, 2003. Geol. Surv. Can., Contrib. No. 2002014.

57003299

Ralska-Jasiewiczowa, M. (Polish Academy of Sciences, Szafer Institute of Botany, Cracow, Poland); Goslar, T.; Różanski, K.; Wacnik, A.; Czernik, J. and Chróst, L.

Very fast environmental changes at the Pleistocene/Holocene boundary, recorded in laminated sediments of Lake Gosciaz, Poland: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 193(2), p. 225-247, illus. incl. charts, 53 ref., April 15, 2003.

57003300

Rokosh, Dean (University of Alberta, Department of Physics, Edmonton, AB, Canada); Bush, Andrew B. G.; Rutter, Nathaniel W.; Ding, Zhongli and Sun, Jimin.

Hydrologic and geologic factors that influenced spatial variations in loess deposition in China during the last interglacial-glacial cycle; results from proxy climate and GCM analyses: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 193(2), p. 249-260, illus. incl. sketch maps, 51 ref., April 15, 2003.

57003301

Richards, M. P. (University of Bradford, Department of Archaeological Sciences, Bradford, United Kingdom) and Hedges, R. E. M.

Variations in bone collagen $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values of fauna from Northwest Europe over the last 40 000 years: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 193(2), p. 261-267, illus., 34 ref., April 15, 2003.

57003302

Nicol, Stephen, editor (Australian Antarctic Division, Kingston, Tasmania, Australia).

“BROKE”; a multidisciplinary survey of the waters off East Antarctica (80-150°E): **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 47(12-13), p. 2281-2613, illus. incl. tables, sketch map, 2000. Individual papers are cited separately.

57003303

Nicol, Stephen (Australian Antarctic Division, Kingston, Tasmania, Australia); Pauly, Tim; Bindoff, Nathaniel L. and Strutton, Peter G.

“BROKE” a biological/oceanographic survey off the coast of East Antarctica (80-150°E) carried out in January-March 1996: *in* “BROKE”; a multidisciplinary survey of the waters off East Antarctica (80-150°E) (Nicol, Stephen, editor), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 47(12-13), p. 2281-2298, illus., 57 ref., 2000.

57003304

Bindoff, Nathaniel L. (Antarctic Co-operative Research Centre, Hobart, Tasmania, Australia); Rosenberg, Mark A. and Warner, Mark J.

On the circulation and water masses over the Antarctic continental slope and rise between 80 and 150°E: *in* “BROKE”; a multidisciplinary survey of the waters off East Antarctica (80-150°E) (Nicol, Stephen, editor), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 47(12-13), p. 2299-2326, illus. incl. 4 tables, sketch maps, 28 ref., 2000.

57003305

Strutton, Peter G. (Flinders University of South Australia, School of Biology, Adelaide, South Aust., Australia); Griffiths, F. Brian; Waters, Raechel L.; Wright, Simon W. and Bindoff, Nathaniel L.

Primary productivity off the coast of East Antarctica (80-150°E); January to March 1996: *in* “BROKE”; a multidisciplinary survey of the waters off East Antarctica (80-150°E) (Nicol, Stephen, editor), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 47(12-13), p. 2327-2362, illus. incl. 3 tables, 74 ref., 2000.

57003306

Wright, Simon W. (Australian Antarctic Division, Kingston, Tasmania, Australia) and van den Enden, Rick L.

Phytoplankton community structure and stocks in the East Antarctic marginal ice zone (BROKE survey, January-March 1996) determined by CHEMTAX analysis of HPLC pigment signatures: *in "BROKE"*; a multidisciplinary survey of the waters off East Antarctica (80-150°E) (Nicol, Stephen, editor), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 47(12-13), p. 2363-2400, illus. incl. 5 tables, 76 ref., 2000.

57003307

Waters, Raechel L. (Flinders University, School of Biological Sciences, Adelaide, South Aust., Australia); van den Enden, R. and Marchant, H. J.

Summer microbial ecology off East Antarctica (80-150°E); protistan community structure and bacterial abundance: *in "BROKE"*; a multidisciplinary survey of the waters off East Antarctica (80-150°E) (Nicol, Stephen, editor), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 47(12-13), p. 2401-2435, illus. incl. 7 tables, 99 ref., 2000.

57003308

Hosie, G. W. (Australian Antarctic Division, Kingston, Tasmania, Australia); Schultz, M. B.; Kitchener, J. A.; Cochran, T. G. and Richards, K.

Macrozooplankton community structure off East Antarctica (80-150°E) during the Austral summer of 1995/1996: *in "BROKE"*; a multidisciplinary survey of the waters off East Antarctica (80-150°E) (Nicol, Stephen, editor), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 47(12-13), p. 2437-2463, illus. incl. 7 tables, 49 ref., 2000.

57003309

Pauly, Tim (Australian Antarctic Division, Kingston, Tasmania, Australia); Nicol, Stephen; Higginbottom, Ian; Hosie, Graham and Kitchener, John.

Distribution and abundance of Antarctic krill (*Euphausia superba*) off East Antarctica (80-150°E) during the Austral summer of 1995/1996: *in "BROKE"*; a multidisciplinary survey of the waters off East Antarctica (80-150°E) (Nicol, Stephen, editor), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 47(12-13), p. 2465-2488, illus. incl. 5 tables, 43 ref., 2000.

57003310

Nicol, Stephen (Australian Antarctic Division, Kingston, Tasmania, Australia); Kitchener, John; King, Rob; Hosie, Graham and de la Mare, William K.

Population structure and condition of Antarctic krill (*Euphausia superba*) off East Antarctica (80-150°E) during the Austral summer of 1995/1996: *in "BROKE"*; a multidisciplinary survey of the waters off East Antarctica (80-150°E) (Nicol, Stephen, editor), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 47(12-13), p. 2489-2517, illus. incl. 3 tables, 41 ref., 2000.

57003311

Hodgell, R. J. (University of Tasmania, Institute of Antarctic and Southern Ocean Studies, Hobart, Tasmania, Australia); Crossley, A. C.; Williams, R. and Hosie, G. W.

The distribution of Antarctic pelagic fish and larvae (CCAMLR division 58.4.1): *in "BROKE"*; a multidisciplinary survey of the waters off East Antarctica (80-150°E) (Nicol, Stephen, editor), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 47(12-13), p. 2519-2541, illus., 43 ref., 2000.

57003312

Thiele, Deborah (Deakin University, School of Ecology and Environment, Warrnambool, Victoria, Australia); Chester, Edwin T. and Gill, Peter C.

Cetacean distribution off Eastern Antarctica (80-150°E) during the Austral summer of 1995/1996: *in "BROKE"; a multidisciplinary survey of the waters off East Antarctica (80-150°E)* (Nicol, Stephen, editor), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 47(12-13), p. 2543-2572, illus. incl. 2 tables, 76 ref., 2000.

57003313

Wienecke, B. C. (Australian Antarctic Division, Kingston, Tasmania, Australia); Lawless, R.; Rodary, D.; Bost, C. A.; Thomson, R.; Pauly, Tim; Robertson, G.; Kerry, K. R. and LeMaho, Y.

Adélie penguin foraging behaviour and krill abundance along the Wilkes and Adélie Land coasts, Antarctica: *in "BROKE"; a multidisciplinary survey of the waters off East Antarctica (80-150°E)* (Nicol, Stephen, editor), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 47(12-13), p. 2573-2587, illus. incl. 2 tables, 24 ref., 2000.

57003314

Chiba, S. (Tokyo University of Fisheries, Minato-ku, Japan); Hirawake, T.; Ushio, S.; Horimoto, N.; Satoh, R.; Nakajima, Y.; Ishimaru, T. and Yamaguchi, Y.

An overview of the biological/oceanographic survey by the RTV Umitaka-Maru III off Adelie Land, Antarctica in January-February 1996: *in "BROKE"; a multidisciplinary survey of the waters off East Antarctica (80-150°E)* (Nicol, Stephen, editor), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 47(12-13), p. 2589-2613, illus. incl. 6 tables, 53 ref., 2000.

57003315

Clandillon, Stephen (Service Régional de Traitement d'Image et de Télédétection (SERTIT), Illkirch, France) and de Fraipont, Paul.

Environmental risks within natural areas; the Ill River's flood plain, Alsace, France; water quality and flooding: *in Space techniques for environmental risks* (Rycroft, M. J., editor), **Surveys in Geophysics**, 21(2-3), p. 223-228, illus. incl. 2 tables, 9 ref., 2000.

57003316

Wettlaufer, John S. (University of Washington, Department of Physics, Seattle, WA) and Dash, J. Greg.

Melting below zero: **Scientific American**, 282(2), p. 50-53, illus., 1 ref., February 2000.

57003317

Lauritzen, Stein-Erik (University of Bergen, Department of Geology, Bergen, Norway) and Mylroie, John E.

Results of a speleothem U/Th dating reconnaissance from the Helderberg Plateau, New York: **Journal of Cave and Karst Studies**, 62(1), p. 20-26, illus. incl. 1 table, 24 ref., April 2000.

57003318

Fisher, Timothy G. (Indiana University, Department of Geosciences, Gary, IN).

Geology of the Grand Calumet River region: *in Restoring biological communities of the Grand Calumet River watershed* (Whitman, Richard L., prefacer), **Proceedings of the Indiana Academy of Science**, 108/109(1-4), p. 11-18, illus. incl. sketch maps, 31 ref., 2000.

57003324

Lopez Martinez, J. (Univ. Autonoma Madrid, Madrid, Spain); Martinez de Pison, E. and Arche Miralles, A.

Pulsacioners glaciares y terrazas marinas escalonadas en los alrededores de la Base Antártica española, Isla Livingston, Shetland del Sur [Glacial pulsing and marine terraces near the Spanish Antarctic Base, Livingston Island, South Shetland Islands]: *in Comunicaciones presentadas en la 10a sesion científica de la Sociedad Geologica de España celebrada, Geogaceta*, 9, p. 44-47 (English sum.), illus., 8 ref., 1991. *Meeting*: Oct. 26, 1990, Madrid, Spain.

57003325

Wolfe, Gordon V. (Ministère des Pêches et des Océans, Institut Maurice-Lamontagne, Mont-Joli, PQ, Canada); Levassseur, Maurice; Cantin, Guy and Michaud, Sonia.

DMSP and DMS dynamics and microzooplankton grazing in the Labrador Sea; application of the dilution technique: **Deep-Sea Research. Part I: Oceanographic Research Papers**, 47(12), p. 2243-2264, illus. incl. 5 tables, geol. sketch map, 54 ref., December 2000.

57003326

Frew, Russell D. (University of Otago, Department of Chemistry, Dunedin, New Zealand); Dennis, Paul F.; Heywood, Karen J.; Meredith, Michael P. and Boswell, Steven M.

The oxygen isotope composition of water masses in the northern North Atlantic: **Deep-Sea Research. Part I: Oceanographic Research Papers**, 47(12), p. 2265-2286, illus. incl. geol. sketch map, 42 ref., December 2000.

57003327

Loh, Ai Ning (College of William and Mary, School of Marine Science, Gloucester, VA) and Bauer, James E.

Distribution, partitioning and fluxes of dissolved and particulate organic C, N and P in the eastern North Pacific and Southern Ocean: **Deep-Sea Research. Part I: Oceanographic Research Papers**, 47(12), p. 2287-2316, illus. incl. 5 tables, geol. sketch map, 78 ref., December 2000.

57003328

Eberhard, Patricio (Instituto Antártico Chileno, Santiago de Chile, Chile).

Medición de emisiones en tres bases Antárticas del INACH [Emission measurements in three INACH Antarctica bases]: **Boletín Antártico Chileno**, 19(2), p. 13-18 (English sum.), illus. incl. 7 tables, 8 ref., November 2000.

57003329

Haeberli, Wilfried (University of Zurich, Geography Department, Switzerland).

Modern research perspectives relating to permafrost creep and rock glaciers; a discussion: **Permafrost and Periglacial Processes**, 11(4), p. 290-293, December 2000.

57003330

Kneisel, Christof (University of Trier, Faculty of Geography and Geosciences, Trier, Federal Republic of Germany); Hauck, Christian and Vonder Mühl, Daniel.

Permafrost below the timberline confirmed and characterized by geoelectrical resistivity measurements, Bever Valley, Eastern Swiss Alps: **Permafrost and Periglacial Processes**, 11(4), p. 295-304 (French sum.), illus. incl. 2 tables, geol. sketch map, 47 ref., December 2000.

57003331

French, H. M. (University of Ottawa, Departments of Geography and Earth Sciences, Ottawa, ON, Canada) and Guglielmin, M.

Cryogenic weathering of granite, northern Victoria Land, Antarctica: **Permafrost and Periglacial Processes**, 11(4), p. 305-314 (French sum.), illus. incl. 3 tables, sketch map, 39 ref., December 2000.

57003332

Kääb, A. (University of Zurich, Department of Geography, Zurich, Switzerland) and Vollmer, M.

Surface geometry; thickness changes and flow fields on creeping mountain permafrost; automatic extraction by digital image analysis: **Permafrost and Periglacial Processes**, 11(4), p. 315-326 (French sum.), illus. incl. geol. sketch maps, 27 ref., December 2000.

57003333

Pissart, Albert (University of Liège, Department of Geography, Liege, Belgium).

Remnants of lithalsas of the Hautes Fagnes, Belgium; a summary of present-day knowledge: **Permafrost and Periglacial Processes**, 11(4), p. 327-355 (French sum.), illus. incl. 2 tables, geol. sketch maps, 111 ref., December 2000.

57003334

Berthling, Ivar (University of Oslo, Department of Physical Geography, Oslo, Norway); Etzelmüller, Bernd; Isaksen, Ketil and Sollid, Johan Ludvig.

Rock glaciers on Prins Karls Forland; II, GPR soundings and the development of internal structures: **Permafrost and Periglacial Processes**, 11(4), p. 357-369 (French sum.), illus. incl. geol. sketch map, 32 ref., December 2000.

57003335

Wu Qingbai (Chinese Academy of Sciences, State Key Laboratory of Frozen soil Engineering, Cold and Arid Regions Environmental and Engineering Research Institute, Gansu, China); Li Xin and Li Wenjun.

The prediction of permafrost change along the Qinghai-Tibet Highway, China: **Permafrost and Periglacial Processes**, 11(4), p. 371-376, illus. incl. 4 tables, 15 ref., December 2000.

57003336

Mackensen, A. (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany).

Oxygen and carbon stable isotope tracers of Weddell Sea water masses; new data and some paleoceanographic implications: **Deep-Sea Research. Part I: Oceanographic Research Papers**, 48(6), p. 1401-1422, illus. incl. 2 tables, sects., geol. sketch map, 63 ref., June 2001.

57003337

Boye, Marie (University of Liverpool, Liverpool, United Kingdom); van den Berg, Constant M. G.; de Jong, Jeroen T. M.; Leach, Harry; Croot, Peter and de Baar, Hein J. W.

Organic complexation of iron in the Southern Ocean: **Deep-Sea Research. Part I: Oceanographic Research Papers**, 48(6), p. 1477-1497, illus. incl. 2 tables, sketch map, 50 ref., June 2001.

57003338

Kauker, Frank (GKSS Research Centre, Institute of Hydrophysics, Geesthacht, Federal Republic of Germany) and von Storch, Hans.

Statistics of "synoptic circulation weather" in the North Sea as derived from a multiannual OGCM simulation: **Journal of Physical Oceanography**, 30(12), p. 3039-3049, illus. incl. 1 table, 26 ref., December 2000.

57003339

Phillips, Helen E. (University of Tasmania, Institute of Antarctic and Southern Ocean Studies, Hobart, Tasmania, Australia) and Rintoul, Stephen R.

Eddy variability and energetics from direct current measurements in the Antarctic Circumpolar Current south of Australia: **Journal of Physical Oceanography**, 30(12), p. 3050-3076, illus. incl. 8 tables, sketch map, 44 ref., December 2000. Includes 2 appendices.

57003340

Plewes, Louise A. (University College London, Higher Education Research and Development, London, United Kingdom) and Hubbard, Bryn.

A review of the use of radio-echo sounding in glaciology: **Progress in Physical Geography**, 25(2), p. 203-236, illus. incl. 3 tables, sects., 251 ref., June 2001.

57003341

Butler, David R. (Southwest Texas State University, Department of Geography, San Marcos, TX).

Geomorphic process-disturbance corridors; a variation on a principle of landscape ecology: **Progress in Physical Geography**, 25(2), p. 237-248, illus., 50 ref., June 2001.

57003342

Gurney, S. D. (University of Reading, Department of Geography, Reading, United Kingdom).

Aspects of the genesis, geomorphology and terminology of palsas; perennial cryogenic mounds: **Progress in Physical Geography**, 25(2), p. 249-260, illus., 57 ref., June 2001.

57003343

Hoare, Rupert (WesternGeco).

Reducing risk using multicomponent surveys; North Sea data examples: **First Break**, 19(8), p. 479-481, illus. incl. sects., 3 ref., August 2001.

57003344

Goodfellow, William L., Jr. (EA Engineering, Science and Technology, Hunt Valley, MD).

Treating wastewater in wintry weather; how temperature affects biomass, receiving waters and sampling strategies: **Pollution Engineering**, 32(11), p. 28-29, illus., November 2000.

57003345

Smith, Robert L. (British Petroleum, Aberdeen, United Kingdom) and McGarrity, John P.

Cracking the fractures; seismic anisotropy in an offshore reservoir: **The Leading Edge (Tulsa, OK)**, 20(1), p. 18, 20, 24, 26, illus. incl. block diag., geol. sketch map, January 2001.

57003346

Ogilvie, Jeffrey S. (Texaco International, Houston, TX); Crompton, Richard and Hardy, Nicholas M.

Characterization of volcanic units using detailed velocity analysis in the Atlantic Margin, west of Shetlands, United Kingdom: **The Leading Edge (Tulsa, OK)**, 20(1), p. 34, 38, 40, 42, 44, 46, 48, 50, illus. incl. geol. sketch map, sects., strat. col., January 2001.

57003347

Petersen, Henrik I. (Geological Survey of Denmark and Greenland (GEUS), Department of Reservoir Geology, Copenhagen, Denmark) and Brekke, Trond.

Source rock analysis and petroleum geochemistry of the Trym discovery, Norwegian North Sea: a Middle Jurassic coal-sourced petroleum system: **Marine and Petroleum Geology**, 18(8), p. 889-908, illus. incl. 6 tables, geol. sketch map, 35 ref., September 2001.

57003348

Hassink, Ulrike (Helsinki Commission, Finland).

Safety of navigation and emergency capacity in the Baltic Sea area; new measures adopted: **Hydro International**, 5(8), p. 32-35, illus. incl. 1 table, sketch maps, December 2001.

57003349

Armstrong, Sue.

Ask the experts: **New Scientist (1971)**, 172(2315), p. 36-39, illus., November 3, 2001.

57003350

Richard, J. A.

Quaternary geology; Pamour area: **Map - Ontario Geological Survey**, Ontario Geological Survey, Toronto, ON, Canada, Rep. No. 2655, 1 sheet, colored surficial geology map, 1:50,000, July 2001.

57003351

Tucker, C. M. and Sharpe, D.

Quaternary geology; Timmins area: **Map - Ontario Geological Survey**, Ontario Geological Survey, Toronto, ON, Canada, Rep. No. 2662, 1 sheet, colored surficial geology map, 1:50,000, July 2001.

57003352

Morris, T. F. (Ontario Geological Survey, Canada).

Quaternary geology; Hawk Junction-Michipicoten River area: **Map - Ontario Geological Survey**, Ontario Geological Survey, Toronto, ON, Canada, Rep. No. 2574, 1 sheet, colored surficial geology map, 1:50,000, March 2001.

57003353

Miller, Theron G. (University of Alberta, Department of Biological Sciences, Edmonton, AB, Canada); Mackay, W. C. and Walty, David T.

Under ice water movements induced by mechanical surface aeration and air injection: **Lake and Reservoir Management**, 17(4), p. 263-287, illus. incl. 3 tables, 14 ref., December 2001.

57003354

Anderson, J. D. (California Institute of Technology, Jet Propulsion Laboratory, Pasadena, CA); Jacobson, R. A.; McElrath, T. P.; Moore, W. B.; Schubert, G. and Thomas, P. C.
Shape, mean radius, gravity field, and interior structure of Callisto: **Icarus**, 153(1), p. 157-161, illus. incl. 1 table, 26 ref., September 1, 2001. WWW. Accessed on March 20, 2003.

57003355

Gaidos, Eric J. (California Institute of Technology, Division of Geological and Planetary Sciences, Pasadena, CA).

Cryovolcanism and the recent flow of liquid water on Mars: **Icarus**, 153(1), p. 218-223, illus., 43 ref., September 1, 2001. WWW. Accessed on March 20, 2003.

57003356

Woodward, J. C. (University of Leeds, School of Geography, Leeds, United Kingdom); Porter, P. R.; Lowe, A. T.; Walling, D. E. and Evans, A. J.

Composite suspended sediment particles and flocculation in glacial meltwaters; preliminary evidence from Alpine and Himalayan basins: **Hydrological Processes**, 16(9), p. 1735-1744, illus. incl. 1 table, sketch maps, 36 ref., June 30, 2002.

57003357

Harding, R. J. (Centre for Ecology and Hydrology, Wallingford, United Kingdom); Jackson, N. A.; Blyth, E. M. and Culf, A.

Evaporation and energy balance of a sub-arctic hillslope in northern Finland: **Hydrological Processes**, 16(7), p. 1419-1436, illus. incl. 2 tables, sketch map, 37 ref., May 2002.

57003358

Endo, Yasoichi (Forestry and Forest Products Research Institute, Tohkamachi Experimental Station, Niigata, Japan); Kominami, Yuji; Yamanoi, Katsumi and Niwano, Shoji.

Depth and density of hourly new snow computed with viscous compression model: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 64(1), p. 3-13, (Japanese) (English sum.), illus. incl. 5 tables, 13 ref., January 2002.

57003359

Suizu, Shigeo (Geosystems Company, Tokyo, Japan).

A hazard evaluation model of dry snow avalanches caused by heavy snowfall: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 64(1), p. 15-24, (Japanese) (English sum.), illus. incl. 2 tables, 19 ref., January 2002.

57003360

Abe, Osamu (National Research Institute for Earth Science and Disaster Prevention, Snow and Ice Research Group, Shinjo, Japan); Kobayashi, Shun'ichi; Sato, Atsushi; Nakamura, Hideomi and Nakamura, Tsutomu.

Snow avalanche chute experiments; III, Prediction of impact pressure waves for snow blocks with low density: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 64(1), p. 25-31, (Japanese) (English sum.), illus., 24 ref., January 2002.

57003361

Ikeda, Shinji (Shinshu University, Graduate School of Agriculture, Nagano, Japan).
A report on the avalanche accident in Garagara-sawa, northern Japanese Alps: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 64(1), p. 33-38, (Japanese) (English sum.), illus. incl. 4 tables, 5 ref., January 2002.

57003362

Izumi, Kaoru (Niigata University, Research Institute for Hazards in Snowy Areas, Niigata, Japan); Kobayashi, Shun'ichi; Nagasaki, Tomoharu; Endo, Yasoichi; Yamanoi, Katsumi; Abe, Osamu; Kosugi, Kenji; Yamada, Yutaka; Kawashima, Katsuhisa and Endo, Toru.
Investigations into the avalanche disaster of snow blocks at Mt. Asakusa, June 2000: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 64(1), p. 39-47, (Japanese), illus. incl. 1 table, 7 ref., January 2002.

57003363

Kokawa, Tutomu (Hokkaido Tokai University, Department of Architecture, Asahikawa, Japan); Itoh, Osamu and Watanabe, Tohru.
Construction and creep test of 20-m span ice dome: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 64(1), p. 59-68, (Japanese) (English sum.), illus. incl. 1 table, 10 ref., January 2002.

57003364

Kajikawa, Masahiro (Akita University, Faculty of Engineering and Resource Science, Akita, Japan); Narita, Eiko; Ichinoseki, Keiko; Kudo, Teiko and Sasaki, Rumiko.
Observation of composition factors of snowflakes: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 64(1), p. 69-76, (Japanese) (English sum.), illus. incl. 1 table, 18 ref., January 2002.

57003365

Matsuzawa, Masaru (Civil Engineering Research Institute of Hokkaido, Hokkaido, Japan) and Takeuchi, Masao.
A study of methods to estimate visibility based on weather conditions: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 64(1), p. 77-85, (Japanese) (English sum.), illus., 23 ref., January 2002.

57003366

Sato, Takeshi (National Research Institute for Earth Science and Disaster Prevention, Snow and Ice Research Group, Shinjo-shi, Japan); Abe, Osamu; Kosugi, Kenji and Nohguchi, Yasuaki.
Measurement of the hardness of snow by using a portable load gauge and comparison with the Kinoshita-type hardness meter: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 64(1), p. 87-95, (Japanese) (English sum.), illus., 14 ref., January 2002.

57003367

Takeuchi, Masao (Japan Weather Association Hokkaido Office, Sapporo, Japan).
For the control of blowing snow; 4, Factors affecting highway disasters caused by blowing snow: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 64(1), p. 97-105, (Japanese) (English sum.), illus., 24 ref., January 2002.

57003368

Park, Chris (Lancaster University, Graduate College, United Kingdom).

The environment; principles and applications: 2nd edition, Routledge, London, United Kingdom, 660 p., illus. incl. 123 tables, 360 ref., 2001. ISBN: 0-415-21771-7; 0-415-21770-9. 1st ed. 1997.

57003369

Jahren, Hope (Johns Hopkins University, Department of Earth and Planetary Sciences, Baltimore, MD).

Warm Eocene conditions maintained by methanogenesis in arctic soils [abstr.]: *in Geological Society of America, 2002 annual meeting, Abstracts with Programs - Geological Society of America*, 34(6), p. 64, October 2002. *Meeting*: Oct. 27-30, 2002, Denver, CO.

57003370

Schuneman, P. J. (University of Tennessee, Department of Geological Sciences, Knoxville, TN); Kah, L. C.; Bartley, J. K.; Frank, T. D. and Lyons, T. W.

Relating sea level change to the structure of stromatolite reefs; cryptic sequence boundaries in the 1.3 Ga Dismal Lakes Group, Arctic Canada [abstr.]: *in Geological Society of America, 2002 annual meeting, Abstracts with Programs - Geological Society of America*, 34(6), p. 65, October 2002. *Meeting*: Oct. 27-30, 2002, Denver, CO.

57003371

Copper, Paul (Laurentian University, Sudbury, ON, Canada) and Edinger, Evan.

Banks Island, Canadian High Arctic; reefs of the Late Devonian (early to mid-Frasnian), prior to the F/F mass extinction [abstr.]: *in Geological Society of America, 2002 annual meeting, Abstracts with Programs - Geological Society of America*, 34(6), p. 65, October 2002. *Meeting*: Oct. 27-30, 2002, Denver, CO.

57003372

Sun Liguang (University of Science and Technology of China, Institute of Polar Environment, Hefei, China); Liu Xiaodong; Xie Zhouqing and Zhao Junlin.

Palaeoenvironmental records from palaeogoe sediments on Fildes Peninsula, Antarctica: **Jidi Yanjiu = Chinese Journal of Polar Research**, 14(3), p. 163-173, (Chinese) (English sum.), illus. incl. 2 tables, sketch map, 22 ref., 2002.

57003373

Wang Daode (Chinese Academy of Sciences, Guangzhou Institute of Geochemistry, Guangzhou, China); Lin Yangting and Miao Bingkui.

Inspiration from study of Antarctic Meteorites; X, Terrestrial ages of Antarctic meteorites: **Jidi Yanjiu = Chinese Journal of Polar Research**, 14(3), p. 174-185, (Chinese) (English sum.), illus. incl. 2 tables, 20 ref., 2002.

57003374

Dai Yanyu (State Ocean Administration, Third Institute of Oceanography, Xiamen, China).

Distribution of Chaetognatha in Chukchi Sea and Bering Sea: **Jidi Yanjiu = Chinese Journal of Polar Research**, 14(3), p. 186-194, (Chinese) (English sum.), illus. incl. 1 table, sketch maps, 9 ref., 2002.

57003375

Wang Xin (Chinese Academy of Meteorological Sciences, Beijing, China); Bian Lingen; Lu Longhua and Ciren, Bianba.

The characteristics of temperature change over Prydz Bay in the last 10 years: **Jidi Yanjiu = Chinese Journal of Polar Research**, 14(3), p. 195-202, (Chinese) (English sum.), illus. incl. 1 table, sketch maps, 11 ref., 2002.

57003376

Wen Jiahong (Polar Research Institute of China, Shanghai, China); Sun Bo; Wu Jianping; Fan Dakai; Kang Jiancheng; Li Yuansheng; Ren Jiawen; Xiao Cunde and Huang Shengxiang.

GIS-based data process and analysis along the glaciological traverse route from Zhongshan Station to Dome A: **Jidi Yanjiu = Chinese Journal of Polar Research**, 14(3), p. 203-212, (Chinese) (English sum.), illus. incl. 2 tables, sketch maps, 17 ref., 2002.

57003377

Zhang Xiaowei (Lanzhou University, Resource and Environmental College, Lanzhou, China); Kang Jiancheng and Zhou Shangzhe.

Environmental geochemical index in polar snow and ice and its significance: **Jidi Yanjiu = Chinese Journal of Polar Research**, 14(3), p. 213-225, (Chinese), 73 ref., 2002.

57003378

Wang Qinghua (Wuhan University, School of Geodesy and Geomatics, Wuhan, China); E Dongchen; Chen Chunming and Zhou Chunxia.

Popular map projections in Antarctica and their application: **Jidi Yanjiu = Chinese Journal of Polar Research**, 14(3), p. 226-233, (Chinese) (English sum.), illus. incl. 1 table, 17 ref., 2002.

57003379

Matsuura, Sumio (Forestry and Forest Products Research Institute, Tsukuba, Japan); Asano, Shihō; Okamoto, Takashi and Takeuchi, Yoshitsugu.

Characteristics of the displacement of a landslide with shallow sliding surface in a heavy snow district of Japan: **Engineering Geology**, 69(1-2), p. 15-35, illus. incl. 3 tables, sketch map, 10 ref., April 2003.

57003380

Marinoni, O. (Darmstadt University of Technology, Institute for Applied Earth Sciences, Georesources, and Geohazards, Darmstadt, Federal Republic of Germany).

Improving geological models using a combined ordinary-indicator kriging approach: **Engineering Geology**, 69(1-2), p. 37-45, illus., 13 ref., April 2003.

57003381

Harritt, R. K., compiler.

In pursuit of Agviq; some results of the western whaling societies regional integration project: University of Alaska at Anchorage, Environment and Natural Resources Institute, Anchorage, AK, 96 p., illus. incl. sketch map, December 2001. Individual chapters within scope are cited separately; NSF Grant OPP-9634834, OPP-9807051, OPP-9634538 and OPP-9806516.

57003382

Crane, Robert G. (Pennsylvania State University, Department of Geography & Earth Science Center, University Park, PA).

Ice variability in the Bering Sea: *in* In pursuit of Agviq; some results of the western whaling societies regional integration project (Harritt, R. K., compiler), University of Alaska at Anchorage, Environment and Natural Resources Institute, Anchorage, AK, p. 25-26, 2 ref., December 2001.

57003383

Dixon, John C. (University of Arkansas, Department of Geosciences, Fayetteville, AR) and Holt, David H.

Geographic information systems synthesis of environmental change in the western Arctic: *in* In pursuit of Agviq; some results of the western whaling societies regional integration project (Harritt, R. K., compiler), University of Alaska at Anchorage, Environment and Natural Resources Institute, Anchorage, AK, p. 28-29, December 2001.

57003384

Jacoby, Gordon C. (Lamont-Doherty Earth Observatory, Tree-Ring Laboratory, Palisades, NY).

Tree rings and whales tales: *in* In pursuit of Agviq; some results of the western whaling societies regional integration project (Harritt, R. K., compiler), University of Alaska at Anchorage, Environment and Natural Resources Institute, Anchorage, AK, p. 36-38, 13 ref., December 2001.

57003385

Mason, Owen K. (GeoArch Alaska, Anchorage, AK).

A palaeogeographic preface to the origins of whaling; the colder the better?: *in* In pursuit of Agviq; some results of the western whaling societies regional integration project (Harritt, R. K., compiler), University of Alaska at Anchorage, Environment and Natural Resources Institute, Anchorage, AK, p. 43, December 2001.

57003386

Savinetsky, Arkady B. (Russian Academy of Sciences, Severstov's Institute of Ecology and Evolution, Moscow, Russian Federation).

Dynamics of whale populations and whaling during the last two millennia in Chukotka: *in* In pursuit of Agviq; some results of the western whaling societies regional integration project (Harritt, R. K., compiler), University of Alaska at Anchorage, Environment and Natural Resources Institute, Anchorage, AK, p. 47-48, December 2001.

57003387

Prieto, L. (Universidad Complutense de Madrid, Departamento de Fisica de la Tierra II, Madrid, Spain); Garcia, R.; Diaz, J.; Hernandez, E. and del Teso, T.

NAO influence on extreme winter temperatures in Madrid (Spain): *Annales Geophysicae* (1988), 20(12), p. 2077-2085, illus. incl. 4 tables, 28 ref., December 2002.

57003388

Proust, Jean-Noël (Université de Rennes I, Géosciences-Rennes, Rennes, France); Menier, David; Guillocheau, François; Guennoc, Pol; Bonnet, Stéphane; Rouby, Delphine and Le Corre, C.

Les vallées fossiles de la baie de la Vilaine; nature et évolution du prisme sédimentaire côtier du Pleistocène armoricain [Fossil valleys in Vilaine Bay; nature and evolution of the Armorican Pleistocene coastal sedimentary wedge]: *Bulletin de la Société Géologique de France*, 172(6), p. 737-749 (English sum.), illus. incl. sects., 2 tables, sketch maps, 32 ref., 2001.

57003389

Canérot, Joseph (Université Paul Sabatier, Laboratoire de Dynamique des Bassins Sédimentaires, Toulouse, France); Majeste-Menjoulas, Claude; Ternet, Yves; James, Valery; Fabre, Richard; Desrumaux, Christian and Lebourg, Thomas.

Les glissements rocheux du versant sud du Layens (Vallée d'Aspe, Pyrénées occidentales) [Rockslides on the south slope of the Layens, Aspe Valley, western Pyrenees; discussion and reply]: **Bulletin de la Société Géologique de France**, 172(6), p. 779-784, illus. incl. sects., geol. sketch maps, 20 ref., 2001. For reference to original see Fabre, R., et al., Bull. Soc. Geol. Fr., Vol. 171, p. 407-418, 2000.

57003390

Meffre, Jean-François.

Anciens et nouveaux systèmes de déclenchement d'avalanche en Suisse [Old and new systems for avalanche triggering in Switzerland]: **Neige et Avalanches (Grenoble)**, 95, p. 26-29, illus., September 2001.

57003391

Kondratyev, Kirill Ya. (Russian Academy of Sciences, Research Centre for Ecological Safety, Saint Petersburg, Russian Federation); Krapivin, Vladimir F. and Phillips, Gary W. Global environmental change; modelling and monitoring: Springer-Verlag, Berlin, Federal Republic of Germany, 316 p., illus. incl. 72 tables, sketch maps, 232 ref., 2003. ISBN: 3-540-43373-2.

57003392

Cooper, R. J. (University of Bristol, Bristol Glaciology Centre, Bristol, United Kingdom); Wadham, J. L.; Tranter, M.; Hodgkins, R. and Peters, N. E.

Groundwater hydrochemistry in the active layer of the proglacial zone, Finsterwalderbreen, Svalbard: **Journal of Hydrology**, 269(3-4), p. 208-223, illus. incl. 2 tables, sketch map, 23 ref., December 15, 2002.

57003393

Harris, Charles, editor (University of Cardiff, Department of Earth Sciences, Cardiff, United Kingdom).

Permafrost and climate in Europe (PACE): **Permafrost and Periglacial Processes**, 12(1), 156 p., illus. incl. tables, geol. sketch maps, March 2001. *Meeting*: 1st European permafrost conference, March 26-28, 2001, Rome, Italy. Individual papers are cited separately.

57003394

Harris, Charles (University of Cardiff, Department of Earth Sciences, Cardiff, United Kingdom); Haeberli, Wilfried; Mühl, Daniel Vonder and King, Lorenz.

Permafrost monitoring in the high mountains of Europe; the PACE Project in its global context: *in* Permafrost and climate in Europe (PACE) (Harris, Charles, editor), **Permafrost and Periglacial Processes**, 12(1), p. 3-11 (French sum.), illus. incl. 1 table, sketch map, 30 ref., March 2001. *Meeting*: 1st European permafrost conference, March 26-28, 2001, Rome, Italy.

57003395

Isaksen, Ketil (University of Oslo, Department of Physical Geography, Oslo, Norway); Holmlund, Per; Sollid, Johan Ludvig and Harris, Charles.

Three deep alpine-permafrost boreholes in Svalbard and Scandinavia: *in Permafrost and climate in Europe (PACE)* (Harris, Charles, editor), **Permafrost and Periglacial Processes**, 12(1), p. 13-25 (French sum.), illus. incl. 3 tables, sketch map, 46 ref., March 2001. *Meeting:* 1st European permafrost conference, March 26-28, 2001, Rome, Italy.

57003396

Vonder Mühll, Daniel (ETH-Zentrum, Laboratory for Hydraulics, Hydrology and Glaciology, Zurich, Switzerland); Hauck, Christian; Gubler, Hansueli; McDonald, Robert and Russell, Nick.

New geophysical methods of investigating the nature and distribution of mountain permafrost with special reference to radiometry techniques: *in Permafrost and climate in Europe (PACE)* (Harris, Charles, editor), **Permafrost and Periglacial Processes**, 12(1), p. 27-38 (French sum.), illus. incl. 3 tables, 1 plate, 37 ref., March 2001. *Meeting:* 1st European permafrost conference, March 26-28, 2001, Rome, Italy.

57003397

Hauck, Christian (ETH-Zurich, Laboratory of Hydraulics, Hydrology and Glaciology, Switzerland); Guglielmin, Mauro; Isaksen, Ketil and Vonder Mühll, Daniel.

Applicability of frequency-domain and time-domain electromagnetic methods for mountain permafrost studies: *in Permafrost and climate in Europe (PACE)* (Harris, Charles, editor), **Permafrost and Periglacial Processes**, 12(1), p. 39-52 (French sum.), illus. incl. 2 plates, 38 ref., March 2001. *Meeting:* 1st European permafrost conference, March 26-28, 2001, Rome, Italy.

57003398

Hoelzle, Martin (University of Zurich, Department of Geography, Glaciology and Geomorphodynamics Group, Zurich, Switzerland); Mittaz, Catherine; Etzelmüller, Bernd and Haeberli, Wilfried.

Surface energy fluxes and distribution models of permafrost in European mountain areas; an overview of current developments: *in Permafrost and climate in Europe (PACE)* (Harris, Charles, editor), **Permafrost and Periglacial Processes**, 12(1), p. 53-68 (French sum.), illus. incl. sketch maps, 115 ref., March 2001. *Meeting:* 1st European permafrost conference, March 26-28, 2001, Rome, Italy.

57003399

Gruber, Stephan (Justus Liebig University of Giessen, Geographical Institute, Giessen, Federal Republic of Germany) and Hoelzle, Martin.

Statistical modelling of mountain permafrost distribution; local calibration and incorporation of remotely sensed data: *in Permafrost and climate in Europe (PACE)* (Harris, Charles, editor), **Permafrost and Periglacial Processes**, 12(1), p. 69-77 (French sum.), illus. incl. 2 tables, 2 plates, 32 ref., March 2001. *Meeting:* 1st European permafrost conference, March 26-28, 2001, Rome, Italy.

57003400

Etzelmüller, Bernd (University of Oslo, Department of Physical Geography, Oslo, Norway); **Odegard, Rune S.; Berthling, Ivar and Sollid, Johan Ludvig.**

Terrain parameters and remote sensing data in the analysis of permafrost distribution and periglacial processes; principles and examples from southern Norway: *in Permafrost and climate in Europe (PACE)* (Harris, Charles, editor), **Permafrost and Periglacial Processes**, 12(1), p. 79-92 (French sum.), illus. incl. 2 plates, 1 table, sketch maps, 72 ref., March 2001. *Meeting:* 1st European permafrost conference, March 26-28, 2001, Rome, Italy.

57003401

Gómez, Antonio (Universitat de Barcelona, Departamento de Geografía Física y AGR, Barcelona, Spain); **Palacios, David; Ramos, Miguel; Tanarro, Luis M.; Schulte, Lothar and Salvador, Ferran.**

Location of permafrost in marginal regions; Corral del Veleta, Sierra Nevada, Spain: *in Permafrost and climate in Europe (PACE)* (Harris, Charles, editor), **Permafrost and Periglacial Processes**, 12(1), p. 93-110 (French sum.), illus. incl. 3 tables, geol. sketch map, 51 ref., March 2001. *Meeting:* 1st European permafrost conference, March 26-28, 2001, Rome, Italy.

57003402

Guglielmin, Mauro (Third University of Rome, Rome, Italy); **Cannone, N. and Dramis, F.** Permafrost-glacial evolution during the Holocene in the Italian Central Alps: *in Permafrost and climate in Europe (PACE)* (Harris, Charles, editor), **Permafrost and Periglacial Processes**, 12(1), p. 111-124 (French sum.), illus. incl. geol. sketch maps, 55 ref., March 2001. *Meeting:* 1st European permafrost conference, March 26-28, 2001, Rome, Italy.

57003403

Harris, Charles (University of Cardiff, Department of Earth Sciences, Cardiff, United Kingdom); **Rea, Brice and Davies, Michael C. R.**

Scaled physical modelling of mass movement processes on thawing slopes: *in Permafrost and climate in Europe (PACE)* (Harris, Charles, editor), **Permafrost and Periglacial Processes**, 12(1), p. 125-135 (French sum.), illus. incl. 2 tables, 14 ref., March 2001. *Meeting:* 1st European permafrost conference, March 26-28, 2001, Rome, Italy.

57003404

Davies, Michael C. R. (University of Dundee, School of Engineering, Dundee, United Kingdom); **Hamza, Omar and Harris, Charles.**

The effect of rise in mean annual temperature on the stability of rock slopes containing ice-filled discontinuities: *in Permafrost and climate in Europe (PACE)* (Harris, Charles, editor), **Permafrost and Periglacial Processes**, 12(1), p. 137-144 (French sum.), illus., 13 ref., March 2001. *Meeting:* 1st European permafrost conference, March 26-28, 2001, Rome, Italy.

57003405

Harris, Charles (Cardiff University, Department of Earth Sciences, Cardiff, United Kingdom); **Davies, Michael C. R. and Etzelmüller, Bernd.**

The assessment of potential geotechnical hazards associated with mountain permafrost in a warming global climate: *in Permafrost and climate in Europe (PACE)* (Harris, Charles, editor), **Permafrost and Periglacial Processes**, 12(1), p. 145-156 (French sum.), illus. incl. 1 table, 49 ref., March 2001. *Meeting:* 1st European permafrost conference, March 26-28, 2001, Rome, Italy.

57003406

Wassmann, P. (Univ. Tromso, Norwegian Coll. Fishery Sci., Tromso, Norway); Peinert, R. and Smetacek, V.

Patterns of production and sedimentation in the boreal and polar Northeast Atlantic: **Polar Research**, 10(1), p. 209-228, illus., 1991.

57003407

Arenillas Parra, M. (Univ. Politec. Madrid, E.T.S. Ing. Caminos Canales Puertos, Madrid, Spain); Cantarino Marti, I.; Martinez Costa, R.; Martinez de Pison, E. and Pedrero Gonzalez, A.

Los glaciares del Pirineo Español [Glaciers in the Spanish Pyrenees]: **Revista de Obras Públicas**, 3307, p. 9-19, illus. incl. 3 tables, 11 ref., 1991.

57003408

Sandoiu, I. (Inst. National Météorol. Hydrol., Bucharest, Romania) and Stancalie, G.

Evaluation et surveillance par télédétection des réserves d'eau provenant de la fonte de la neige [Evaluation and remote sensing monitoring of water reserves available from snowmelt]: *in* Rencontres hydrologiques franco-roumaines; contribution au Programme Hydrologique International organisée par les comités nationaux français et roumains de l'AISH et du PHI; communications (Carbonnel, J. P., editor; *et al.*), UNESCO, Paris, France, p. 231-236 (English sum.), illus., 3 ref., 1992. *Meeting*: Sept. 2-5, 1991, Paris, France.

57003409

Jones, C. R. C. (Mott MacDonald, Cambridge, United Kingdom) and Singleton, A. J.

Public water supplies from alluvial and glacial deposits in northern Scotland: *in* Groundwater in the Celtic regions; studies in hard rock and Quaternary hydrogeology (Robinson, N. S., editor; *et al.*), **Geological Society Special Publications**, 182, p. 133-139, illus. incl. 4 tables, geol. sketch map, 11 ref., 2000.

57003410

MacDonald, A. M. (British Geological Survey, Edinburgh, United Kingdom); Ball, D. F. and McCann, D. M.

Groundwater exploration in rural Scotland using geophysical techniques: *in* Groundwater in the Celtic regions; studies in hard rock and Quaternary hydrogeology (Robinson, N. S., editor; *et al.*), **Geological Society Special Publications**, 182, p. 205-217, illus. incl. geol. sketch maps, 2 tables, sect., 30 ref., 2000.

57003411

Lukashina, Nadezhda (Russian Academy of Sciences, P.P. Shirshov Institute of Oceanography, Kaliningrad, Russian Federation).

Stratigraphy of sediments from the Baltic Sea and Kattegat by foraminifers and paleoceanology: **Baltica**, 13, p. 3-7, illus. incl. sketch map, 20 ref., 2000.

57003412

Saarse, Leili (Tallinn Technical University, Institute of Geology, Tallinn, Estonia); Heinsalu, Atko; Karhu, Juha and Veski, Siim.

Holocene shoreline displacement and palaeogeography of the Kopu Peninsula: **Baltica**, 13, p. 15-23, illus. incl. 3 tables, sketch maps, 49 ref., 2000. *diatoms, palynomorphs*

57003413

Gelumbauskaite, Leonora Zivile (Lithuanian Institute of Geology, Vilnius, Lithuania).
Late- and postglacial palaeogeomorphology on the Klaipeda submarine slope, southeastern Baltic Sea: **Baltica**, 13, p. 36-43, illus., 27 ref., 2000.

57003414

Savvaitov, Alexander (University of Latvia, Institute of Geology, Riga, Latvia) and Veinbergs, Ints.

Palaeobaltic middle Pleistocene Ulmale Sea in Latvia: **Baltica**, 13, p. 44-50, 1 table, sketch map, 32 ref., 2000. *Foraminifera, diatoms, palynomorphs*

57003415

Heinsalu, Atko (Tallinn Technical University, Institute of Geology, Tallinn, Estonia); Kohonen, Tuula and Winterhalter, Boris.

Early post-glacial environmental changes in the western Gulf of Finland based on diatom and lithostratigraphy of sediment core B-51: **Baltica**, 13, p. 51-60, illus. incl. 2 tables, 57 ref., 2000.

57003416

Schwarzer, Klaus (University of Kiel, Institute of Geosciences, Kiel, Federal Republic of Germany); Diesing, Markus and Trieschmann, Babette.

Nearshore facies of the southern shore of the Baltic ice lake; example from Tromper Wiek (Rugen Island): **Baltica**, 13, p. 69-76, illus. incl. geol. sketch maps, 26 ref., 2000.

57003417

Trimonis, Egidijus (Institute of Geography, Vilnius, Lithuania) and Savukyniene, Nijole.

Sedimentation in the northern Baltic Sea basin: **Baltica**, 13, p. 77-83, illus. incl. geol. sketch map, 12 ref., 2000.

57003418

Winterhalter, Boris (Geological Survey of Finland, Espoo, Finland).

The palaeoenvironment of the Baltic Sea; a sub-project of BASYS: **Baltica**, 13, p. 88-89, 2000.

57003419

Grigelis, Algimantas, editor.

Proceedings of the Fifth marine geological conference "The Baltic": **Baltica**, 12, 129 p., illus. incl. tables, sects., strat. cols., geol. sketch maps, 1999. *Meeting*: Oct. 6-11, 1997, Vilnius, Lithuania. Individual papers are cited separately.

57003420

Bitinas, Albertas (Geological Survey of Lithuania, Vilnius, Lithuania); Repecka, Marijonas and Kalnina, Laimdota.

Correlation of tills from the south-eastern Baltic Sea bottom and nearshore boreholes: *in* Proceedings of the Fifth marine geological conference "The Baltic" (Grigelis, Algimantas, editor), **Baltica**, 12, p. 5-10, illus. incl. sketch map, 7 ref., 1999. *Meeting*: Oct. 6-11, 1997, Vilnius, Lithuania.

57003421

Jürgens, Udo (Federal Institute for Geosciences and Natural Resources, Hannover, Federal Republic of Germany).

Buried Quaternary channels in the southern Baltic Sea north of Rügen Island, Germany; distribution and genesis: *in* Proceedings of the Fifth marine geological conference “The Baltic” (Grigelis, Algimantas, editor), **Baltica**, 12, p. 43-47, illus. incl. sect., sketch maps, 9 ref., 1999. *Meeting*: Oct. 6-11, 1997, Vilnius, Lithuania.

57003422

Klingberg, Frederik (Geological Survey of Sweden, Uppsala, Sweden).

Late Weichselian palaeo-environmental conditions in the Kattegat, south-western Sweden: *in* Proceedings of the Fifth marine geological conference “The Baltic” (Grigelis, Algimantas, editor), **Baltica**, 12, p. 48-52, illus. incl. geol. sketch map, 25 ref., 1999. *Meeting*: Oct. 6-11, 1997, Vilnius, Lithuania.

57003423

Kohonen, Tuula (Geological Survey of Finland, Espoo, Finland) and Winterhalter, Boris.

Sediment erosion and deposition in the western part of the Gulf of Finland: *in* Proceedings of the Fifth marine geological conference “The Baltic” (Grigelis, Algimantas, editor), **Baltica**, 12, p. 53-56, illus. incl. 1 table, 5 ref., 1999. *Meeting*: Oct. 6-11, 1997, Vilnius, Lithuania.

57003424

Kunzendorf, Helmar (Riso National Laboratory, Gamma Dating Center, Roskilde, Denmark).

Variability of recent sedimentation rates in the north central basin of the Baltic Sea: *in* Proceedings of the Fifth marine geological conference “The Baltic” (Grigelis, Algimantas, editor), **Baltica**, 12, p. 62-65, illus. incl. 2 tables, sketch map, 8 ref., 1999. *Meeting*: Oct. 6-11, 1997, Vilnius, Lithuania.

57003425

Lemke, Wolfram (Baltic Sea Research Institute, Warnemünde, Federal Republic of Germany); Jensen, Jorn Bo; Bennike, Ole; Witkowski, Andrzej and Kuijpers, Antoon.

No indication of a deeply incised Dana River between Arkona Basin and Mecklenburg Bay: *in* Proceedings of the Fifth marine geological conference “The Baltic” (Grigelis, Algimantas, editor), **Baltica**, 12, p. 66-70, illus. incl. sketch map, 21 ref., 1999. *Meeting*: Oct. 6-11, 1997, Vilnius, Lithuania.

57003426

Noormets, Riko (Stockholm University, Department of Geology and Geochemistry, Stockholm, Sweden) and Floden, Tom.

Glaciofluvial deposits in the north-eastern Baltic proper: *in* Proceedings of the Fifth marine geological conference “The Baltic” (Grigelis, Algimantas, editor), **Baltica**, 12, p. 74-77, illus. incl. sketch map, 14 ref., 1999. *Meeting*: Oct. 6-11, 1997, Vilnius, Lithuania.

57003427

Rantataro, Jyrki (Geological Survey of Finland, Espoo, Finland).

Some geochemical features of postglacial clay sediments in the Archipelago Sea, Finland: *in* Proceedings of the Fifth marine geological conference “The Baltic” (Grigelis, Algimantas, editor), **Baltica**, 12, p. 82-86, illus. incl. 2 tables, sketch map, 7 ref., 1999. *Meeting*: Oct. 6-11, 1997, Vilnius, Lithuania.

57003428

Raukas, Anto (Tallinn Technical University, Institute of Geology, Tallinn, Estonia) and Molodkov, Anatoly.

Distribution of the Eemian sea in north-eastern Europe: *in* Proceedings of the Fifth marine geological conference “The Baltic” (Grigelis, Algimantas, editor), **Baltica**, 12, p. 87-92, illus. incl. 1 table, sketch map, 21 ref., 1999. *Meeting:* Oct. 6-11, 1997, Vilnius, Lithuania.

57003429

Repecka, Marijonas (Institute of Geology, Department of Baltic Marine Geology, Vilnius, Lithuania).

Quaternary sediments on the bottom surface of the south east Baltic Sea: *in* Proceedings of the Fifth marine geological conference “The Baltic” (Grigelis, Algimantas, editor), **Baltica**, 12, p. 93-98, illus. incl. sect., sketch map, 5 ref., 1999. *Meeting:* Oct. 6-11, 1997, Vilnius, Lithuania.

57003430

Savvaitov, Alexander (University of Latvia, Institute of Geology, Riga, Latvia); Veinbergs, Ints and Goldfarb, Yuri.

General features of the sub-Quaternary relief of the Baltic Sea in the Latvian Economic Zone: *in* Proceedings of the Fifth marine geological conference “The Baltic” (Grigelis, Algimantas, editor), **Baltica**, 12, p. 99-102, illus. incl. sketch map, 15 ref., 1999. *Meeting:* Oct. 6-11, 1997, Vilnius, Lithuania.

57003431

Savukyniene, Nijole (Institute of Geography, Department of Marine Sedimentology, Vilnius, Lithuania) and Ruplenaitė, Giedre.

Biostratigraphic traits of the Nemunas submarine valley sediments: *in* Proceedings of the Fifth marine geological conference “The Baltic” (Grigelis, Algimantas, editor), **Baltica**, 12, p. 103-107, illus. incl. sketch map, 15 ref., 1999. *Meeting:* Oct. 6-11, 1997, Vilnius, Lithuania. *Quaternary, diatoms, palynomorphs*

57003432

Seisuma, Zinta (University of Latvia, Institute of Aquatic Ecology, Salaspils, Latvia) and Kulikova, Irina.

Heavy metals in the sediments of the Gulf of Riga both in the shallow coastal zone and the river mouths: *in* Proceedings of the Fifth marine geological conference “The Baltic” (Grigelis, Algimantas, editor), **Baltica**, 12, p. 108-113, illus. incl. 1 table, sketch map, 7 ref., 1999. *Meeting:* Oct. 6-11, 1997, Vilnius, Lithuania.

57003433

Veinbergs, Ints (University of Latvia, Institute of Geology, Riga, Latvia); Savvaitov, Alexander and Nulle, Uldis.

The ancient shorelines of the Latvian Coast and their dynamics: *in* Proceedings of the Fifth marine geological conference “The Baltic” (Grigelis, Algimantas, editor), **Baltica**, 12, p. 125-129, illus. incl. sketch map, 11 ref., 1999. *Meeting:* Oct. 6-11, 1997, Vilnius, Lithuania.

57003434

Keller, Oskar.

Kleine Geologie und Landschaftsgeschichte Vorarlbergs [A brief geology and geomorphological history of the Vorarlberg]: Privately published, Austria, 35 p. (English sum.), illus. incl. sects., strat. cols., geol. sketch maps, 22 ref., 1995. ISBN: 3950014640. Reprint from Die Käfer von Vorarlberg und Liechtenstein; Band2, Die Schwimmkäfer von Vorarlberg und Liechtenstein.

57003435

Ramsay, John G. (ETH and Zürich University, Zurich, Switzerland) and Lisle, Richard.

Applications of continuum mechanics in structural geology: *in the collection* The techniques of modern structural geology. Academic Press, San Diego, CA, 3, p. 701-1061, illus. incl. sects., block diag., tables, geol. sketch maps, 41 ref., 2000. ISBN: 0-12-576923-7. Includes CD-ROM; includes appendices.

57003436

Westaway, R. (16 Neville Square, Durham, United Kingdom).

Long-term river terrace sequences; evidence for global increases in surface uplift rates in the late Pliocene and early middle Pleistocene caused by flow in the lower continental crust induced by surface processes: *in* Fluvial Archive Group, FLAG, meeting (Bridgland, D. R., prefacer; *et al.*), **Geologie en Mijnbouw. Netherlands Journal of Geosciences**, 81(3-4), p. 305-328, illus. incl. sects., 113 ref., December 2002. *Meeting:* 2000, Mainz, Federal Republic of Germany. IGCP Project No. 449.

57003437

Maddy, Darrel (University of Newcastle, Department of Geography, Newcastle upon Tyne, United Kingdom).

An evaluation of climate, crustal movement and base level controls on the middle-late Pleistocene development of the River Severn, UK: *in* Fluvial Archive Group, FLAG, meeting (Bridgland, D. R., prefacer; *et al.*), **Geologie en Mijnbouw. Netherlands Journal of Geosciences**, 81(3-4), p. 329-338, illus. incl. geol. sketch maps, 72 ref., December 2002. *Meeting:* 2000, Mainz, Federal Republic of Germany. IGCP Project No. 449.

57003438

Gaigalas, A. (Vilnius University, Faculty of Natural Sciences, Vilnius, Lithuania) and Dvareckas, V.

The evolution of river valleys in Lithuania from deglaciation to recent changes and data from the sediment infill of oxbow lakes: *in* Fluvial Archive Group, FLAG, meeting (Bridgland, D. R., prefacer; *et al.*), **Geologie en Mijnbouw. Netherlands Journal of Geosciences**, 81(3-4), p. 407-416, illus. incl. chart, 2 tables, strat. col., 12 ref., December 2002. *Meeting:* 2000, Mainz, Federal Republic of Germany. IGCP Project No. 449.

57003459

Sullivan, J. M. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Hierarchical neural network based data processing system for ground-penetrating radar; an end of year report for CH/1049/6; application of neural networks coupled with genetic algorithms to optimize soil cleanup operations in cold climates: 91 p., December 1997. Available from: National Technical Information Service, (703)487-4650, order number ADA365293NEG, Springfield, VA, United States. CRREL Report No: ERDC/CRREL MP-03-6014

57003460

Grimley, David A., compiler and McGarry, Christopher S.

Quaternary deposits of Carroll County Illinois: **Open File Series - Illinois State Geological Survey**, Rep. No. 1997-13B, 1 sheet, colored surficial geology map, 1:62,500, 4 ref., 1997.

57003461

Holdsworth, Gerald (University of Calgary, Calgary, AB, Canada); Jones, D. P. and Serl, D., compilers.

Mount Logan, Yukon; a map of exploration, ascent routes and research sites: Arctic Institute of North America, Calgary, AB, Canada, 2 sheets, contour maps, 1:100,000, 1993. ISBN: 0-919-03475-6.

57003462

Bush, P. (Petroleum Economist, London, United Kingdom) and Fuller, Kevin, compilers.

Energy infrastructure map of the United Kingdom and Ireland: Petroleum Economist, London, United Kingdom, 1 sheet, illus. incl. economic geology map, 1:3,300,000, April 1998. ISBN: 1861860676.

57003463

Bush, P. (Petroleum Economist, London, United Kingdom) and Fuller, Kevin, compilers.

Oil and gas in Western, Central and Eastern Europe: 2nd edition, Petroleum Economist, London, United Kingdom, sheet, economic geology map, 1:5,700,000, May 1998. ISBN: 1-861-86097-8.

57003464

Wright, Charles, compiler (Petroleum Economist, London, United Kingdom).

Energy map of the North Sea: 3rd edition, Petroleum Economist, London, United Kingdom, 1 sheet, economic geology maps, 1:1,400,000, July 1997. ISBN: 1-861-86076-5.

57003465

Larson, Steve.

The south face of Mount Foraker: **The American Alpine Journal**, 42(74), p. 22-30, illus., 2000.

57003466

Daudet, Lionel.

The Burkett Needle: **The American Alpine Journal**, 42(74), p. 31-36, illus., 2000.

57003467

Bridwell, Jim.

The Bear's Tooth; teaching the new dogs old tricks: **The American Alpine Journal**, 42(74), p. 37-45, illus., 2000.

57003468

Fowler, Mick.

The Arwa Tower: **The American Alpine Journal**, 42(74), p. 46-55, illus., 2000.

57003469

Davy, Mikhail.

High tension on Thalay Sagar: **The American Alpine Journal**, 42(74), p. 56-65, illus., 2000.

57003470

O'Neill, Timothy.

Yosemite speed, Patagonian summits: **The American Alpine Journal**, 42(74), p. 66-74, illus., 2000.

57003471

Prezelj, Marko (Planinska Zveza Slovenije, Slovenia).

Gyachung Kang: **The American Alpine Journal**, 42(74), p. 75-85, illus., 2000.

57003472

Middendorf, John.

The Trango Towers in review: **The American Alpine Journal**, 42(74), p. 86-89, illus., 2000.

57003473

Caspersen, Robert.

The Trango Pulpit: **The American Alpine Journal**, 42(74), p. 90-99, illus., 2000.

57003474

Ogden, Jared.

Great Trango Tower's northwest face: **The American Alpine Journal**, 42(74), p. 100-107, illus., 2000.

57003475

Koshelenko, Yuri.

The Russian way: **The American Alpine Journal**, 42(74), p. 108-114, illus., 2000.

57003476

Vidal, Silvia.

Amin Brakk: **The American Alpine Journal**, 42(74), p. 115-119, illus., 2000.

57003477

Libecki, Mike.

The Ship's Prow solo: **The American Alpine Journal**, 42(74), p. 120-126, illus., 2000.

57003478

Nakamura, Tamotsu (Japanese Alpine Club, Japan).

Rock peaks of the Siguniang region: **The American Alpine Journal**, 42(74), p. 127-134, illus., 6 ref., 2000.

57003479

Eguskitza, Xavier (University of Washington, Seattle, WA) and Huey, Raymond B.

Supplemental oxygen and mountaineering deaths: **The American Alpine Journal**, 42(74), p. 135-138, illus., 2000.

57003480

Klein, Andrew (Texas A&M University, College Station, TX).

The Earth's changing glaciers: **The American Alpine Journal**, 42(74), p. 139-150, illus., 9 ref., 2000.

57003481

Cox, Mike.

Static corrections for seismic reflection surveys: **Geophysical References Series**, 9, 531 p., illus. incl. tables, 203 ref., 1999. ISBN: 931830-47-8; 1-56080-080-1.

57003482

Pickart, Robert S. (Woods Hole Oceanographic Institution, Physical Oceanography Department, Woods Hole, MA).

Adventure in the Labrador Sea; a wintertime cruise to the North Atlantic: **Oceanus (Woods Hole)**, 40(1), p. 18-24, illus. incl. sketch map, 1997.

57003483

Colburn, A. D. (Woods Hole Oceanographic Institution, Woods Hole, MA).

A northern winter; preparing R/V Knorr for the North Atlantic and Labrador Sea: **Oceanus (Woods Hole)**, 40(1), p. 26-28, illus., 1997.

57003484

McGarry, Christopher S., compiler (Illinois State Geological Survey, Champaign, IL).

Shaded relief of Kane County, Illinois: **Open File Series - Illinois State Geological Survey**, Illinois State Geological Survey, Champaign, IL, Rep. No. 2000-6, 1 sheet, shaded relief map, 1:62,500, 5 ref., 2000.

57003485

Benko, James (3352 128th Avenue, Holland, MI).

My snowflakes-in-vials collection: **The Microscope (Chicago)**, 48(4), p. 207-208, illus., 2000.

57003486

Lindstrom, Martin (Uppsala University, Department of Earth Sciences, Uppsala, Sweden).

Predictive modelling of heavy metals in urban lakes: **Comprehensive Summaries of Uppsala Dissertations from the Faculty of Science and Technology**, 584, 26 p., illus. incl. 6 tables, sketch map, 64 ref., Doctoral, 2000, Uppsala University, Uppsala.

57003487

Alalammi, Pentti, compiler.

Elava luonto, luonnon suojelu—Biogeografi, naturskydd—Biogeography, nature conservation: *in the collection* Suomen kartasto—Atlas over Finland—Atlas of Finland. Geographical Society of Finland, National Board of Survey, Helsinki, Finland, 141-143, 32 p., (Finnish, Swedish, English), illus.; colored environmental geology maps, 1:1,000,000, 40 ref., 1989. ISBN: 951-46-2570-6; 951-48-0504-6. Includes appendices.

57003488

Bjornsson, Helgi (University of Iceland, Science Institute, Reykjavik, Iceland); Palsson, Finnur and Gudmundsson, Magnus T.

Surface and bedrock topography of the Myrdalsjokull ice cap, Iceland; the Katla Caldera, eruption sites and routes of jokulhlaups: **Jökull**, 49, p. 29-46, illus. incl. 3 tables, sketch map, 50 ref., 2000.

57003489

Jonsson, Geirfunnur (University of Iceland, Science Institute, Reykjavik, Iceland) and Kristjansson, Leo.

Aeromagnetic measurements over Myrdalsjokull and vicinity: **Jökull**, 49, p. 47-58, illus. incl. sketch maps, 16 ref., 2000.

57003490

Einersson, Pall (University of Iceland, Science Institute, Reykjavik, Iceland) and Brandsdottir, Bryndis.

Earthquakes in the Myrdalsjokull area, Iceland, 1978-1985; seasonal correlation and connection with volcanoes: **Jökull**, 49, p. 59-74, illus. incl. sketch map, 38 ref., 2000.

57003491

Sigurdsson, Oddurðsson (Orkustofnun, Reykjavik, Iceland); Zophoniasson, Snorri and Isleifsson, Erlingur.

Jokkulhlaup ur Solheimajokli 18, juli 1999 [The jokulhlaup from Solheimjokull on July 18, 1999]: **Jökull**, 49, p. 75-80 (English sum.), illus., 7 ref., 2000.

57003492

Sigurdsson, Oddur (Orkustofnun, Reykjavik, Iceland).

Joklabreytingar 1930-1960, 1960-1990 og 1997-1998 [Glacier variations of 1930-1960, 1960-1990 and 1997-1998]: **Jökull**, 49, p. 83-90, illus. incl. 2 tables, 7 ref., 2000.

57003493

Tryggvason, Eysteinn (Asgardsvegi 10, Husavik, Iceland).

Ground deformation at Katla; results of precision levellings 1967-1995: **Jökull**, 48, p. 1-8, illus. incl. sketch map, 7 ref., 2000.

57003494

Mackintosh, Andrew N. (University of Edinburgh, Department of Geography, Scotland, United Kingdom); Dugmore, Andrew J. and Jacobsen, Frank M.

Ice-thickness measurements on Solheimajokull, southern Iceland and their relevance to its recent behaviour: **Jökull**, 48, p. 9-16, illus. incl. 1 table, sketch map, 14 ref., 2000.

57003495

Tweed, Fiona S. (Staffordshire University, Division of Geography, Staffordshire, United Kingdom).

An ice-dammed lake in Jokulsargil; predictive modelling and geomorphological evidence: **Jökull**, 48, p. 17-28, illus. incl. 2 plates, geol. sketch map, 28 ref., 2000.

57003496

Gudmundsson, Magnus T. (University of Iceland, Science Institute, Reykjavik, Iceland).

Mass balance and precipitation on the summit plateau of Oraefajokull, SE-Iceland: **Jökull**, 48, p. 49-54, illus. incl. 2 tables, sketch map, 11 ref., 2000.

57003497

Sigurdsson, Oddur (Orkustofnun, Reykjavik, Iceland).

Joklabreytingar 1930-1960, 1960-1990 og 1996-1997 [Glacier variations 1930-1960, 1960-1990 and 1996-1997]: **Jökull**, 48, p. 63-69 (English sum.), illus. incl. 2 tables, 8 ref., 2000.

57003498

Shibuya, Kazuo (National Institute of Polar Research, Tokyo, Japan).

Satellite Doppler stations in the Japanese Antarctic research region: *in* Geophysical data in East Dronning Maud Land, Antarctica obtained by the 28th Japanese Antarctic Research Expedition in 1987 (Shibuya, Kazuo, editor; *et al.*), **JARE Data Reports**, 237, p. 1-15, illus., 7 ref., March 1999.

57003499

Stow, Craig A. (University of Wisconsin, Center for Limnology, Madison, WI); Carpenter, Stephen R.; Webster, Katherine E. and Frost, Thomas M.

Long-term environmental monitoring; some perspectives from lakes: **Ecological Applications**, 8(2), p. 269-276, illus., 41 ref., May 1998.

57003500

United Kingdom, British Antarctic Survey, Natural Environemnt Research Council.

Antarctica; a topographic databases: **BAS Miscellaneous Series**, British Antarctic Survey, Cambridge, United Kingdom, Rep. No. 7, 1 sheet, illus.; colored topographic map, 1:10,000,000, 1993.

57003501

United Kingdom, British Antarctic Survey, Natural Environemnt Research Council.

Antarctic Peninsula and Weddell Sea: **BAS Miscellaneous Series**, British Antarctic Survey, Cambridge, United Kingdom, Rep. No. 8, 1 sheet, illus.; glacial geology map, 1:3,000,000, 2000.

57003502

Lythe, M. B. and Vaughan, B. G., compilers.

Bedmap; bed topography of the Antarctic: **BAS Miscellaneous Series**, British Antarctic Survey, Cambridge, United Kingdom, Rep. No. 9, 1 sheet, illus. incl. sects.; colored topographic map, 1:10,000,000, 9 ref., 2000.

57003503

Magnusson, Borgthor (Agricultural Research Institute, Reykjavik, Iceland).

Soil respiration on the volcanic island Surtsey, Iceland in 1987 in relation to vegetation: **Surtsey Research Progress Report**, 10, p. 9-16, illus. incl. 2 tables, geol. sketch map, 40 ref., 1992.

57003504

Fridriksson, Sturla (Agricultural Research Institute, Reykjavik, Iceland).

Vascular plants on Surtsey 1981-1990: **Surtsey Research Progress Report**, 10, p. 17-30, illus. incl. 1 table, geol. sketch map, 6 ref., 1992.

57003505

Hauksson, Erlingur (Icelandic Fisheries Laboratories, Iceland).

Studies of the subtidal fauna of Surtsey in 1980 to 1987 and changes in subtidal fauna from 1964 to 1987: **Surtsey Research Progress Report**, 10, p. 33-42, illus. incl. 5 tables, 10 ref., 1992.

57003506

Souchez, R.

From the Vostok ice core to a Jupiter's Moon: **Bulletin de la Classe des Sciences, Académie Royale de Belgique. 6e Série**, 11(7-12), p. 433-440, illus., 2000.

57003507

Krenke, A. N., editor.

Izmenchivost' klimata Evropy; v istorichkom proshlom [Variability of the European climate in the past]: Nauka, Moscow, Russian Federation, 244 p. (English sum.), illus. incl. 24 tables, sketch maps, 216 ref., 1995. ISBN: 5-02-003604-8. Includes appendices.

57003508

Berger, Cynthia L. (University of Missouri at Columbia, Department of Soil and Atmospheric Sciences, Columbia, MO); Lupo, Anthony R.; Browning, Peter; Bodner, Michael; Rayburn, Christopher C. and Chambers, Matthew D.

A climatology of heavy snowfalls in Northwest Missouri; long term trends and interannual variability: **Transactions of the Missouri Academy of Science**, 34, p. 65-81, illus. incl. 12 tables, sketch map, 42 ref., 2000.

57003509

Licciardi, Joseph Michael.

Alpine glacier and pluvial lake records of late Pleistocene climate variability in the Western United States: 155 p., Doctoral, 2000, Oregon State University, Corvallis, OR. ISBN: 0-493-03159-6 Available from: Univ. Microfilms.

57003510

Passchier, Sandra.

Sedimentology, mineralogy and geochemistry of the Sirius Group and other Cenozoic glaciogenic sediments from Antarctica; implications for climate and ice sheet history: 360 p., Doctoral, 2000, Ohio State University, Columbus, OH. ISBN: 0-493-03960-0 Available from: Univ. Microfilms.

57003511

Viscosi-Shirley, Carolyn.

Siberian-Arctic shelf surface-sediments; sources, transport pathways and processes, and diagenetic alteration: 178 p., Doctoral, 2000, Oregon State University, Corvallis, OR. ISBN: 0-493-03183-9 Available from: Univ. Microfilms.

57003512

Schmidt, William Louis.

Air-ground temperature exchange: 123 p., Doctoral, 2000, University of North Dakota, Grand Forks, ND. ISBN: 0-493-03555-9 Available from: Univ. Microfilms.

57003513

Arrhenius, Gustaf (University of California at San Diego, Scripps Institution of Oceanography, La Jolla, CA).

Carbon dioxide warming of the early Earth: *in* Arrhenius' contribution to the understanding of the greenhouse effect (Rodhe, Henning, editor), **Ambio**, 26(1), p. 12-16, illus., 48 ref., February 1997. Meeting: April 9-10, 1996, Stockholm, Sweden.

57003514

Schlüter, Michael (GEOMAR Research Center for Marine Geosciences, Kiel, Federal Republic of Germany) and Sauter, Eberhard.

Biogenic silica cycle in surface sediments of the Greenland Sea: **Journal of Marine Systems**, 23(4), p. 333-342, illus. incl. sketch map, 47 ref., January 2000.

57003515

Pflugmacher, S. (Institute for Freshwater Ecology and Inland Fisheries, Berlin, Federal Republic of Germany); Wiencke, C. and Sandermann, H.

Activity of phase I and phase II detoxication enzymes in Antarctic and Arctic macroalgae: **Marine Environmental Research**, 48(1), p. 23-36, illus. incl. 1 table, 31 ref., July 1999.

57003516

Macnab, Ron (Geological Survey of Canada, Dartmouth, NS, Canada) and Jakobsson, Martin.

Something old, something new; compiling historic and contemporary data to construct regional bathymetric maps, with the Arctic Ocean as a case study: **International Hydrographic Review, New Series**, 1(1), p. 30-44, illus. incl. geol. sketch map, 15 ref., July 2000.

57003517

Venegas, Silvia A. (University of Copenhagen, Niels Bohr Institute for Astronomy, Physics and Geophysics, Copenhagen, Denmark) and Mysak, Lawrence A.

Is there a dominant timescale of natural climate variability in the Arctic?: **Journal of Climate**, 13(19), p. 3412-3434, illus., 60 ref., October 1, 2000.

57003518

Adams, Jennifer Miletta (University of Washington, Joint Institute for the Study of the Atmosphere and Ocean, Seattle, WA); Bond, Nicholas A. and Overland, James E.

Regional variability of the Arctic heat budget in fall and winter: **Journal of Climate**, 13(19), p. 3500-3510, illus. incl. sketch maps, 35 ref., October 1, 2000.

57003519

Delworth, Thomas L. (Princeton University, Geophysical Fluid Dynamics Laboratory, Princeton, NJ) and Dixon, Keith W.

Implications of the recent trend in the Arctic/North Atlantic Oscillation for the North Atlantic thermohaline circulation: **Journal of Climate**, 13(21), p. 3721-3727, illus. incl. sketch maps, 22 ref., November 1, 2000.

57003520

Löffler, Jörg (University of Oldenburg, Department of Biology, Oldenburg, Federal Republic of Germany).

High mountain ecosystems and landscape degradation in Northern Norway: **Mountain Research and Development**, 20(4), p. 356-363, 16 ref., November 2000.

57003521

Lim, Darlene S. S. (University of Toronto, Department of Geology, Toronto, ON, Canada); Douglas, Marianne S. V.; Smol, John P. and Lean, David R. S.

Physical and chemical limnological characteristics of 38 lakes and ponds on Bathurst Island, Nunavut, Canadian High Arctic: **International Review of Hydrobiology**, 86(1), p. 1-22, illus. incl. 4 tables, sketch map, 63 ref., 2001.

57003522

Hodell, David A. (University of Florida, Department of Geological Sciences, Gainesville, FL); Curtis, Jason H.; Sierro, Francisco J. and Raymo, Maureen E.

Correlation of late Miocene to early Pliocene sequences between the Mediterranean and North Atlantic: **Paleoceanography**, 16(2), p. 164-178, illus. incl. 1 table, 58 ref., April 2001.

57003523

Kiefer, T. (Universität Kiel, Institut für Geowissenschaften, Kiel, Federal Republic of Germany); Sarnthein, M.; Erlenkeuser, Helmut; Grootes, P. M. and Roberts, A. P.
North Pacific response to millennial-scale changes in ocean circulation over the last 60 kyr:
Paleoceanography, 16(2), p. 179-189, illus. incl. 1 table, sketch map, 72 ref., April 2001.

57003524

Alley, R. B. (Pennsylvania State University, Environment Institute and Department of Geosciences, University Park, PA); Anandakrishnan, S. and Jung, P.
Stochastic resonance in the North Atlantic: **Paleoceanography**, 16(2), p. 190-198, illus., 39 ref., April 2001.

57003525

Schubert, Carsten J. (Max Planck Institute for Marine Microbiology, Bremen, Federal Republic of Germany); Stein, Ruediger and Calvert, Stephen E.
Tracking nutrient and productivity variations over the last deglaciation in the Arctic Ocean:
Paleoceanography, 16(2), p. 199-211, illus. incl. 3 tables, sketch map, 81 ref., April 2001.

57003526

Grimalt, Joan O. (ICER-CSIC, Department of Environmental Chemistry, Catalonia, Spain); Calvo, Eva and Pelejero, Carles.
Sea surface paleotemperature errors in $U^{K_{37}}$ estimation due to alkenone measurements near the limit of detection: **Paleoceanography**, 16(2), p. 226-232, illus. incl. 1 table, 25 ref., April 2001.

57003527

Bierly, Gregory D. (Indiana State University, Department of Geography, Geology, and Anthropology, Terre Haute, IN); Harrington, John A., Jr. and Wilhelm, Dwight F.
Climatology of surface cyclone trajectory and intensity for heavy-snow events at three Midwestern stations: **Physical Geography**, 21(6), p. 522-537, 8 tables, sketch maps, 36 ref., December 2000.

57003528

Yoshikawa, Kenji (University of Alaska, Water and Environmental Research Center, Fairbanks, AK); Ishimaru, Satoshi and Harada, Koichiro.
Weathering of Paleozoic marbles in the Independence Hills and Patriot Hills, Ellsworth Mountains, Antarctica: **Physical Geography**, 21(6), p. 568-576, illus. incl. sects., 1 table, sketch map, 14 ref., December 2000.

57003529

Upmanis, H. (Goteborg University, Department of Earth Sciences, Goteborg, Sweden); Eliasson, I. and Andersson-Skold, Y.
Case studies of the spatial variations of benzene and toluene concentrations in parks and adjacent built-up areas: **Water, Air and Soil Pollution**, 129(1-4), p. 61-81, illus. incl. 4 tables, 46 ref., July 2001.

57003530

Riise, G. (University of Norway, Department of Soil- and Water Science, Aas, Norway); Madsen, H.; Krogstad, T. and Pettersen, M. Nandrup.

Association of the fungicide propiconazole with size fractionated material from a silty clay soil; S.E. Norway: **Water, Air and Soil Pollution**, 129(1-4), p. 245-257, illus. incl. 7 tables, 12 ref., July 2001.

57003531

Rao, B. S. R.

Harvesting of global water-resources for the growing needs of the 21st Century: **Journal of Applied Hydrology**, 13(3-4), p. 75-78, October 2000.

57003532

Head, Warren.

Daring rescues cheat winter; Hercules and Twin Otter pilots made ice history: **Antarctic**, 18(3-4), p. 52-53, 61, illus., 2001.

57003533

Revfem, Calum.

Gateway to Antarctic success: **Antarctic**, 18(3-4), p. 66-67, illus., 2001.

57003534

Copeland, Neville.

Ham on ice: **Antarctic**, 18(3-4), p. 72-74, illus., 2001.

57003535

Mitchell, Murray.

The reconstruction of Scott Base: **Antarctic**, 18(3-4), p. 74-77, 2001.

57003536

Clegg, Keith.

James Maurice Maitland Caffin, MBE; 1 August 1912-13 January 2001: **Antarctic**, 18(3-4), p. 85, illus., 2001.

57003537

Stefanovic, Dragoslav L. (WEST Consultants, San Diego, CA) and Stefan, Heinz G.

Accurate two-dimensional simulation of advective-diffusive-reactive transport: **Journal of Hydraulic Engineering**, 127(9), p. 728-737, illus., 40 ref., September 2001.

57003538

Reimann, Clemens (Geological Survey of Norway, Trondheim, Norway); Banks, David and de Caritat, Patrice.

Impacts of airborne contamination on regional soil and water quality; the Kola Peninsula, Russia: **Environmental Science & Technology, ES & T**, 34(13), p. 2727-2732, illus. incl. 4 tables, sketch map, 17 ref., July 1, 2000.

57003539

Gregor, Dennis J. (MDA Consulting, Burlington, ON, Canada); Peters, Andrew J.; Donald, David B.; Syrgiannis, Jim; Crosley, Robert W.; Holdsworth, Gerald; Muir, Derek C. G.; Rosenberg, Bruno; Sole, Albi and Schindler, David W.

Delayed deposition of organochlorine pesticides at a temperate glacier; discussion and reply: **Environmental Science & Technology, ES & T**, 34(13), p. 2871-2874, July 1, 2000. For reference to original see Donald, D. B. et al., Env. Sci. Tech., Vol. 33, p. 1794-1798, 1999.

57003540

Glueck, Mary F. (University of Arizona, Laboratory of Tree-Ring Research, Tucson, AZ, India) and Stockton, Charles W.

Reconstruction of the North Atlantic Oscillation, 1429-1983: **International Journal of Climatology**, 21(12), p. 1453-1465, illus. incl. 4 tables, sketch map, 24 ref., October 2001.

57003541

Beine, Harald J. (Istituto sull'Inquinamento Atmosferico, Rome, Italy); Argentini, Stefania; Maurizi, Alberto; Mastrantonio, Giangiuseppe and Viola, Angelo.

The local wind field at Ny-Alesund and the Zeppelin Mountain at Svalbard: **Meteorology and Atmospheric Physics**, 78(1-2), p. 107-113, illus. incl. sketch map, 8 ref., 2001.

57003542

Klein, Thomas (University of Bonn, Institute of Meteorology, Bonn, Federal Republic of Germany); Heinemann, Günther; Bromwich, David H.; Cassano, John J. and Hines, Keith M.

Mesoscale modeling of katabatic winds over Greenland and comparisons with AWS and aircraft data: **Meteorology and Atmospheric Physics**, 78(1-2), p. 115-132, illus. incl. 6 tables, sketch maps, 29 ref., 2001.

57003543

Grundy, W. M. (Lowell Observatory, Flagstaff, AZ) and Buie, M. W.

Distribution and evolution CH₄, N₂, and CO ices on Pluto's surface; 1995 to 1998: **Icarus**, 153(2), p. 248-263, illus. incl. 3 tables, 48 ref., October 1, 2001. WWW. Accessed on March 20, 2003; NSF REU Program Grant 9423921 to Northern Arizona University.

57003544

Cruikshank, Dale P. (National Aeronautics and Space Administration, Ames Research Center, Moffett Field, CA); Dalle Ore, Cristina M.; Roush, Ted L.; Geballe, Thomas R.; Owen, Tobias C.; de Bergh, Catherine; Cash, Michele D. and Hartmann, William K.

Constraints on the composition of Trojan asteroid 624 Hektor: **Icarus**, 153(2), p. 348-360, illus. incl. 4 tables, 83 ref., October 1, 2001. WWW. Accessed on March 20, 2003.

57003545

Li Zhijun (Dalian University of Technology, State Key Laboratory of Coastal and Offshore Engineering, Dalian, China); Wang Yongxue and Li Guangwei.

On the flexural strength of DUT-1 synthetic model ice: **Cold Regions Science and Technology**, 35(2), p. 67-72, illus., 15 ref., August 2002.

57003546

Li Ning (Xi'an University of Technology, Cold and Arid Regions Environmental and Engineering Research Institute, Xi'an, China); Chen Feixiong; Su Bo and Cheng Guodong. Theoretical frame of the saturated freezing soil: **Cold Regions Science and Technology**, 35(2), p. 73-80, illus. incl. 1 table, 25 ref., August 2002.

57003547

Iliescu, Daniel (Dartmouth College, Thayer School of Engineering, Hanover, NH); Baker, Ian and Cullen, Daniel.

Preliminary microstructural and microchemical observations on pond and river accretion ice: **Cold Regions Science and Technology**, 35(2), p. 81-99, illus., 22 ref., August 2002.

57003548

Kerr, David J. (Clarkson University, Potsdam, NY); Shen, Hung Tao and Daly, Steven F. Evolution and hydraulic resistance of anchor ice on gravel bed: **Cold Regions Science and Technology**, 35(2), p. 101-114, illus. incl. 2 tables, 19 ref., August 2002. CRREL Report No: ERDC/CRREL MP-03-6015

57003549

Massie, Darrell D. (United States Military Academy, Department of Civil and Mechanical Engineering, West Point, NY); White, Kathleen D. and Daly, Steven F.

Application of neural networks to predict ice jam occurrence: **Cold Regions Science and Technology**, 35(2), p. 115-122, illus. incl. 3 tables, sketch map, 8 ref., August 2002. CRREL Report No: ERDC/CRREL MP-03-6016

57003550

Korsnes, Reinert (Norwegian Polar Institute, Polar Environment Center, Tromso, Norway); Pavlova, Olga and Godtlibsen, Fred.

Assessment of potential transport of pollutants into the Barents Sea via sea ice; an observational approach: **Marine Pollution Bulletin**, 44(9), p. 861-869, illus. incl. 6 tables, 30 ref., September 2002.

57003551

Bartelt, Perry (Swiss Federal Institute for Snow and Avalanche Research, Davos, Switzerland) and Lehning, Michael.

A physical SNOWPACK model for the Swiss avalanche warning; Part I, Numerical model: **Cold Regions Science and Technology**, 35(3), p. 123-145, illus., 22 ref., November 2002.

57003552

Lehning, Michael (Swiss Federal Institute for Snow and Avalanche Research SLF, Davos Dorf, Switzerland); Bartelt, Perry; Brown, Bob; Fierz, Charles and Satyawali, Pramod.

A physical SNOWPACK model for the Swiss avalanche warning; Part II, Snow microstructure: **Cold Regions Science and Technology**, 35(3), p. 147-167, illus., 32 ref., November 2002. Includes appendix.

57003553

Lehning, Michael (Swiss Federal Institute for Snow and Avalanche Research, Davos Dorf, Switzerland); Bartelt, Perry; Brown, Bob and Fierz, Charles.

A physical SNOWPACK model for the Swiss avalanche warning; Part III, Meteorological forcing, thin layer formation and evaluation: **Cold Regions Science and Technology**, 35(3), p. 169-184, illus. incl. 2 tables, 24 ref., November 2002. Includes appendix.

57003554

White, Daniel M. (University of Alaska at Fairbanks, School of Engineering, Fairbanks, AK); Garland, D. Sarah; Dai, Xiaoyan and Ping, Chien-Lu.

Fingerprinting soil organic matter in the Arctic to help predict CO₂ flux: **Cold Regions Science and Technology**, 35(3), p. 185-194, illus. incl. 3 tables, sketch map, 14 ref., November 2002.

57003555

Barker, Anne (National Research Council of Canada, Canadian Hydraulics Centre, Ottawa, ON, Canada) and Timco, Garry.

Laboratory experiments of ice scour processes; rigid ice indentor: **Cold Regions Science and Technology**, 35(3), p. 195-206, illus. incl. 1 table, 16 ref., November 2002.

57003556

Zhang Xuefu (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, Lanzhou, China); Lai Yuanming; Yu Wenbing and Zhang Shujuan.

Nonlinear analysis for the three-dimensional temperature fields in cold region tunnels: **Cold Regions Science and Technology**, 35(3), p. 207-219, illus. incl. 2 tables, 9 ref., November 2002.

57003557

Prince, Roger C. (ExxonMobil Research and Engineering, Annandale, NJ); Owens, Edward H. and Sergy, Gary A.

Weathering of an Arctic oil spill over 20 years; the BIOS experiment revisited: **Marine Pollution Bulletin**, 44(11), p. 1236-1242, illus. incl. 3 tables, 24 ref., November 2002.

57003558

Hou Shugui (Chinese Academy of Sciences, Key Laboratory of Ice Core and Cold Regions Environment, Lanzhou, China); Qin Dahe; Yao Tandong; Zhang Dongqi and Chen Tuo.

Recent change of the ice core accumulation rates on the Qinghai-Tibetan Plateau: **Kexue Tongbao**, 47(20), p. 1746-1749, illus. incl. sketch map, 17 ref., October 2002.

57003559

Ktitarev, Dmitri (Darmstadt University of Technology, Institute of Mechanics, Darmstadt, Federal Republic of Germany); Gödert, Günter and Hutter, Kolumban.

Cellular automaton model for recrystallization, fabric, and texture development in polar ice: **Journal of Geophysical Research, B, Solid Earth and Planets**, 107(8), 9 p., illus. incl. 1 table, 55 ref., August 10, 2002.

57003560

Miners, W. D. (British Antarctic Survey, Cambridge, United Kingdom); Wolff, E. W.; Moore, J. C.; Jacobel, R. and Hempel, L.

Modeling the radio echo reflections inside the ice sheet at Summit, Greenland: **Journal of Geophysical Research, B, Solid Earth and Planets**, 107(8), 11 p., illus. incl. 1 table, 47 ref., August 10, 2002.

57003561

Mair, Douglas (University of Alberta, Department of Earth and Atmospheric Sciences, Edmonton, AB, Canada); Nienow, Peter; Sharp, Martin J.; Wohlleben, Trudy and Willis, Ian. Influence of subglacial drainage system evolution on glacier surface motion; Haut Glacier d'Arolla, Switzerland: **Journal of Geophysical Research, B, Solid Earth and Planets**, 107(8), 13 p., illus. incl. geol. sketch map, 29 ref., August 10, 2002.

57003562

Smith, A. M. (British Antarctic Survey, Physical Sciences Division, Cambridge, United Kingdom); Murray, T.; Davison, B. M.; Clough, A. F.; Woodward, J. and Jiskoot, H.

Late surge glacial conditions on Bakanibreen, Svalbard, and implications for surge termination: **Journal of Geophysical Research, B, Solid Earth and Planets**, 107(8), 16 p., illus. incl. geol. sketch map, 2 tables, sects., 65 ref., August 10, 2002.

57003563

Johansson, J. M. (Chalmers University of Technology, Onsala Space Observatory, Onsala, Sweden); Davis, J. L.; Scherneck, H. G.; Milne, G. A.; Vermeer, M.; Mitrovica, J. X.; Bennett, R. A.; Jonsson, B.; Elgered, G.; Elosegui, P.; Koivula, H.; Poutanen, M.; Ronnang, B. O. and Shapiro, I. I.

Continuous GPS measurements of postglacial adjustment in Fennoscandia; 1, Geodetic results: **Journal of Geophysical Research, B, Solid Earth and Planets**, 107(8), 27 p., illus. incl. 5 tables, geol. sketch map, 62 ref., August 10, 2002.

57003564

Wilson, Peter (University of Ulster, School of Biological and Environmental Sciences, Londonderry, United Kingdom).

Holocene coastal dune development on the South Erradale Peninsula, Wester Ross, Scotland: **Scottish Journal of Geology**, 38, Part 1, p. 5-13, illus. incl. sects., 2 tables, sketch map, 48 ref., 2002.

57003565

Brook, M. S. (South Norfolk Council, Central Policy Unit, Norwich, United Kingdom) and Tippett, J. M.

The influence of rock mass strength on the form and evolution of deglaciated valley slopes in the English Lake District: **Scottish Journal of Geology**, 38, Part 1, p. 15-20, illus. incl. 2 tables, geol. sketch map, 25 ref., 2002.

57003566

Mackie, Elizabeth A. V. (University of Durham, Department of Geography, Durham, United Kingdom); Davies, Siwan M.; Turney, Chris S. M.; Dobbyn, Kevin; Lowe, J. John and Hill, Peter G.

The use of magnetic separation techniques to detect basaltic microtephra in last glacial-interglacial transition (L.G.I.T.; 15-10 ka cal. BP) sediment sequences in Scotland: **Scottish Journal of Geology**, 38, Part 1, p. 21-30, illus. incl. 3 tables, sketch map, 52 ref., 2002.

57003567

Umarova, A. B. (Moskovskii Gosudarstvenny Universitet, Kafedra Obshchego Pochvovedeniia, Moscow, Russian Federation); Shein, E. V. and Arkhangel'skaia, T. A. Osobennosti formirovaniia elementov vodnogo rezhima dernovo-podzolistykh pochv v godovoi, sezonnii i sutochnoi dinamike [Formation peculiarities of water balance elements in Sod-podzolic soils in annual, seasonal and diurnal dynamics]: **Vestnik Moskovskogo Universiteta, Seriia 17, Pochvovedenie. Moscow.**, 2002(3), p. 22-30 (English sum.), illus. incl. 2 tables, 20 ref., September 2002.

57003568

Kulp, Mark (University of New Orleans, Coastal Research Laboratory, New Orleans, LA); Howell, Paul; Adiau, Sandra; Penland, Shea; Kindinger, Jack L. and Williams, S. Jeffress. Latest Quaternary stratigraphic framework of the Mississippi River delta region: *in Gulf Coast Association of Geological Societies and Gulf Coast Section SEPM; technical papers and abstracts (Dutton, Shirley P., editor; et al.)*, **Transactions - Gulf Coast Association of Geological Societies**, 52, p. 573-582, illus. incl. sects., sketch maps, 34 ref., 2002. *Meeting:* 52nd annual convention of the Gulf Coast Association of Geological Societies, AAPG regional meeting, and the 49th annual meeting of the SEPM Gulf Coast Section, Oct. 30-Nov. 1, 2002, Austin, TX.

57003569

Rochon, André (Geological Survey of Canada, Natural Resources Canada, Dartmouth, NS, Canada); Mudie, Peta J.; Aksu, Ali E. and Gillespie, Helen.

Pterocysta gen. nov.; a new dinoflagellate cyst from Pleistocene glacial-stage sediments of the Black and Marmara seas: **Palynology**, 26, p. 95-105, illus. incl. 3 plates, sketch map, 24 ref., 2002.

57003570

Mabit, Lionel (Université Laval, Département des Sols et de Génie Agroalimentaire, Sainte-Foy, PQ, Canada); Bernard, Claude and Laverdière, Marc R.

Quantification of soil redistribution and sediment budget in a Canadian watershed from fallout caesium-137 (^{137}Cs) data: **Canadian Journal of Soil Science**, 82(4), p. 423-431 (French sum.), illus. incl. 5 tables, geol. sketch maps, 37 ref., November 2002.

57003571

Sliaupa, Saulius (Institute of Geology, Vilnius, Lithuania).

Paskutiniuojo ledyno poveikis Baltijos regiono itampu rezimui ir luziu tektoniniam aktyvumui [Influence of the last glaciation on stress regime and fault activity of the Baltic region]: **Geologija - Vilniaus Universitetas**, 39, p. 12-24 (English sum.), illus. incl. sects., sketch maps, 51 ref., 2002.

57003572

Legrand, Philippe (216 cours Général de Gaulle, Gradignan, France).

Paléogéographie du Sahara algérien à l'Ordovicien terminal et au Silurien inférieur [Upper Ordovician-Lower Silurian paleogeography of the Algerian Sahara]: **Bulletin de la Société Géologique de France**, 174(1), p. 19-32 (English sum.), strat. cols., sketch maps, 78 ref., 2003. Includes appendix.

57003573

Kaljo, Dimitri (Tallinn Technical University, Institute of Geology, Tallinn, Estonia); Martma, Tonus; Mannik, Peep and Viira, Viive.

Implications of Gondwana glaciations in the Baltic Late Ordovician and Silurian and a carbon isotopic test of environmental cyclicity: **Bulletin de la Société Géologique de France**, 174(1), p. 59-66 (French sum.), sects., 38 ref., 2003. IGCP Project No. 410.

57003574

Steemans, Philippe (Université de Liège, Paléobotanique, Paléopalynologie & Micropaléontologie, Liege, Belgium) and Pereira, Egberto.

Llandovery miospore biostratigraphy and stratigraphic evolution of the Paraná Basin, Paraguay; palaeogeographic implications: **Bulletin de la Société Géologique de France**, 173(5), p. 407-414 (French sum.), illus. incl. sect., sketch map, 49 ref., 2002.

57003575

Schirrmeister, Lutz (Alfred Wegener Institut for Polar and Marine Research, Potsdam, Federal Republic of Germany); Siegert, Christine; Kunitzky, Victor V.; Grootes, Pieter M. and Erlenkeuser, Helmut.

Late Quaternary ice-rich permafrost sequences as a paleoenvironmental archive for the Laptev Sea region in northern Siberia: **International Journal of Earth Sciences**, 91(1), p. 154-167, illus. incl. 2 tables, sketch map, 50 ref., January 2002.

57003576

Hay, William W. (GEOMAR, Kiel, Federal Republic of Germany); Soeding, Emanuel; DeConto, Robert M. and Wold, Christopher N.

The late Cenozoic uplift; climate change paradox: **International Journal of Earth Sciences**, 91(5), p. 746-774, illus., 371 ref., October 2002.

57003577

Brown, K. J. (Duke University, Department of Biology, Durham, NC) and Hebda, R. J.

Coastal rainforest connections disclosed through a late Quaternary vegetation, climate, and fire history investigation from the Mountain Hemlock Zone on southern Vancouver Island, British Columbia, Canada: **Review of Palaeobotany and Palynology**, 123(3-4), p. 247-269, illus. incl. charts, 3 tables, sketch map, 93 ref., March 2003.

57003578

Stankoviansky, Milos (Comenius University, Department of Physical Geography and Geocology, Bratislava, Slovak Republic).

Historical evolution of permanent gullies in the Myjava Hill Land, Slovakia: *in* Geomorphic responses to land use changes (Brierley, Gary, editor; *et al.*), **Catena (Giessen)**, 51(3-4), p. 223-239, illus. incl. sketch maps, 44 ref., April 1, 2003. Meeting: May 29-June 2, 2000, Smolenice, Slovak Republic.

57003579

Newman, Stuart J. (University of Tasmania, School of Zoology, Hobart, Tasmania, Australia); Dunlap, Walter C.; Nicol, Stephen and Ritz, David.

Antarctic krill (*Euphausia superba*) acquire a UV-absorbing mycosporine-like amino acid from dietary algae: **Journal of Experimental Marine Biology and Ecology**, 255(1), p. 93-110, illus. incl. 5 tables, 56 ref., December 1, 2000.

57003580

Jian Zhimin (Tongji University, Laboratory of Marine Geology, Shanghai, China); **Zhao Quanhong; Cheng Xinrong; Wang Jiliang; Wang Pinxian and Su Xin.**

Pliocene-Pleistocene stable isotope and paleoceanographic changes in the northern South China Sea: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 193(3-4), p. 425-442, illus. incl. 1 table, 70 ref., May 1, 2003. *Foraminifera, nannofossils*

57003581

Jansson, Krister N. (Stockholm University, Department of Physical Geography and Quaternary Geology, Stockholm, Sweden).

Early Holocene glacial lakes and ice marginal retreat pattern in Labrador/Ungava, Canada: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 193(3-4), p. 473-501, illus. incl. 1 table, sketch maps, 87 ref., May 1, 2003.

57003582

Jahn, Britta (Universität Bremen, Fachbereich Geowissenschaften, Bremen, Federal Republic of Germany); **Donner, Barbara; Müller, Peter J.; Röhl, Ursula; Schneider, Ralph R. and Wefer, Gerold.**

Pleistocene variations in dust input and marine productivity in the northern Benguela Current; evidence of evolution of global glacial-interglacial cycles: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 193(3-4), p. 515-533, illus. incl. sketch map, 48 ref., May 1, 2003.

57003583

Doner, Lisa (Fatih University, Department of Geography, Istanbul, Turkey).

Late-Holocene paleoenvironments of northwest Iceland from lake sediments: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 193(3-4), p. 535-560, illus. incl. 3 tables, sketch maps, 95 ref., May 1, 2003.

57003584

Pattan, J. N. (National Institute of Oceanography (NIO), Goa, India); **Masuzawa, Toshiyuki; Naidu, P. Divakar; Parthiban, G. and Yamamoto, Mineko.**

Productivity fluctuations in the southeastern Arabian Sea during the last 140 ka: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 193(3-4), p. 575-590, illus. incl. 2 tables, sketch map, 79 ref., May 1, 2003.

57003585

Roman, Michael (University of Maryland, Cambridge, MD); **Bell, Robin and Orians, Gordon, chairpersons.**

A century of ecosystem science; planning long-term research in the Gulf of Alaska: National Academy Press, Washington, DC, 94 p., illus. incl. tables, 40 ref., 2002. ISBN: 0-309-08473-3. Includes 2 appendices.

publisher <http://www.nap.edu>

57003586

Benito, Gerardo (Consejo Superior de Investigaciones Científicas, Centro de Ciencias Medioambientales, Madrid, Spain) and **O'Connor, Jim E.**

Number and size of last-glacial Missoula floods in the Columbia River valley between the Pasco Basin, Washington, and Portland, Oregon: **Geological Society of America Bulletin**, 115(5), p. 624-638, illus. incl. sects., 1 table, sketch map, 52 ref., May 2003. With GSA Data Repository Item 2003067.

57003587

de Geer, G.; Dullo, Christian, translator and Hay, William W., translator.

Geochronology of the last 12,000 years: *in* Milestones in geosciences (Dullo, W. C., editor), **International Journal of Earth Sciences**, 91(Suppl.), p. S100-S110, (English, German), illus. incl. sketch maps, September 2002. German reprinted from Geologische Rundschau, Vol. 3, p. 457-471.

57003588

Anonymous.

Diverse scientific programme off to good start: **Antarctic**, 11(11), p. 406-413, 415, 1989.

57003589

Danielyan, Sh. A.

Ekzarsatsionnaia deiatel'nost' lednikov [Exarational activity of glaciers]: **Izvestiia Russkogo Geograficheskogo Obshchestva**, 131(2), p. 22-26, 9 ref., April 1999.

57003590

Clarkson, Peter D.

Vostok Lake, Antarctica: **Science International (Paris)**, 69, p. 1-3, illus., 1998.

57003591

Clarke, Ted S. (University of Wisconsin-Madison, Geophysical and Polar Research Center, Madison, WI); Chen, Liu; Lord, Neal E. and Bentley, Charles R.

Evidence for a recently abandoned shear margin adjacent to ice stream B2, Antarctica, from ice-penetrating radar measurements: **Journal of Geophysical Research, B, Solid Earth and Planets**, 105(6), p. 13,409-13,422, illus. incl. geol. sketch maps, block diag., sect., 57 ref., June 10, 2000.

57003592

Venegas, Silvia A. (University of Copenhagen, Physics and Geophysics, Copenhagen, Denmark) and Drinkwater, Mark R.

Sea ice, atmosphere and upper ocean variability in the Weddell Sea, Antarctica: **Journal of Geophysical Research, C, Oceans**, 106(8), p. 16,747-16,765, illus. incl. 3 plates, sketch maps, 68 ref., August 15, 2001.

57003593

Nihashi, Sohey (Hokkaido University, Institute of Low Temperature Science, Hokkaido, Japan) and Ohshima, Kay I.

Relationship between ice decay and solar heating through open water in the Antarctic sea ice zone: **Journal of Geophysical Research, C, Oceans**, 106(8), p. 16,767-16,782, illus. incl. 2 plates, 5 tables, geol. sketch map, 31 ref., August 15, 2001.

57003594

May, Brian D. (Dalhousie University, Department of Oceanography, Halifax, NS) and Kelley, Dan E.

Growth and steady state stages of thermohaline intrusions in the Arctic Ocean: **Journal of Geophysical Research, C, Oceans**, 106(8), p. 16,783-16,794, illus. incl. 3 tables, 35 ref., August 15, 2001.

57003595

Penduff, Thierry (Laboratoire des Ecoulements Géophysiques et Industriels, Grenoble, France); Barnier, Bernard; Béranger, Karine and Verron, Jacques.

Comparison of near-surface mean and eddy flows from two numerical models of the South Atlantic Ocean: **Journal of Geophysical Research, C, Oceans**, 106(8), p. 16,857-16,867, illus. incl. 1 plate, 28 ref., August 15, 2001.

57003596

Suzuki, Hidekatsu (Senshu University of Ishinomaki, Faculty of Science and Technology, Miyagi, Japan); Sasaki, Hiroshi and Fukuchi, Mitsuo.

Short-term variability in the flux of rapidly sinking particles in the Antarctic marginal ice zone: **Polar Biology**, 24(9), p. 697-705, illus. incl. 4 tables, 50 ref., 2001.

57003597

Heinze, Christoph (National Environmental Research Institute, Roskilde, Denmark).

Towards the time dependant modeling of sediment core data on a global basis: **Geophysical Research Letters**, 28(22), p. 4211-4214, illus. incl. geol. sketch map, 11 ref., November 15, 2001.

57003598

Sutherland, Stewart C. (Lamont-Doherty Earth Observatory, Palisades, NY); Broecker, Wallace S. and Takahashi, Taro.

Stability of the boundary separating Antarctic Bottom Water from North Atlantic Deep Water in the western South Atlantic: **Geophysical Research Letters**, 28(22), p. 4219-4222, illus. incl. 1 table, geol. sketch map, 21 ref., November 15, 2001.

57003599

Tremblay, L. Bruno (Lamont Doherty Earth Observatory, Palisades, NY).

Can we consider the Arctic Oscillation independently from the Barents Oscillation?: **Geophysical Research Letters**, 28(22), p. 4227-4230, illus. incl. geol. sketch map, 10 ref., November 15, 2001.

57003600

Jonsson, Trausti (Icelandic Meteorological Office, Reykjavik, Iceland) and Miles, Martin W.

Anomalies in the seasonal cycle of sea level pressure in Iceland and the North Atlantic Oscillation: **Geophysical Research Letters**, 28(22), p. 4231-4234, illus., 23 ref., November 15, 2001.

57003601

Hansson, Margareta (Stockholm University, Department of Physical Geography and Quaternary Geology, Stockholm, Sweden) and Holmen, Kim.

High latitude biospheric activity during the last glacial cycle revealed by ammonium variations in Greenland ice cores: **Geophysical Research Letters**, 28(22), p. 4239-4242, illus. incl. 1 table, 26 ref., November 15, 2001.

57003602

Schwander, Jakob (University of Bern, Physics Institute, Bern, Switzerland); Jouzel, Jean; Hammer, Claus U.; Petit, Jean-Robert; Udisti, Roberto and Wolff, Eric.

A tentative chronology for the EPICA Dome Concordia ice core: **Geophysical Research Letters**, 28(22), p. 4243-4246, illus. incl. 1 table, 23 ref., November 15, 2001.

57003603

Beringer, Jason (Monash University, School of Geography and Environmental Science, Clayton, Victoria, Australia); Tapper, Nigel J.; McHugh, Ian; Chapin, F. S., III; Lynch, Amanda H.; Serreze, Mark C. and Slater, Andrew.

Impact of Arctic treeline on synoptic climate: **Geophysical Research Letters**, 28(22), p. 4247-4250, illus., 17 ref., November 15, 2001.

57003604

Fetzer, Ingo (Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven, Federal Republic of Germany); Lonne, Ole Jorgen and Pearson, Tom.

The distribution of juvenile benthic invertebrates in an arctic glacial fjord: **Polar Biology**, 25(4), p. 303-315, illus. incl. 4 tables, sketch maps, 54 ref., April 2002.

57003605

Ramage, Joan Miriam.

Satellite remote sensing of daily, seasonal, and annual changes on Southeast Alaska glaciers, 1986-1988: 301 p., Doctoral, 2001, Cornell University, Ithaca, NY. ISBN: 0-599-95827-8 Available from: Univ. Microfilms.

57003606

Starr, Gregory.

A multi-scale assessment of physiological processes in arctic tundra plants under natural and simulated climate change scenarios: 99 p., Doctoral, 2001, Florida International University, Miami, FL. ISBN: 0-599-98898-3 Available from: Univ. Microfilms.

57003607

Chlachula, Jiri (University of Zlin, Laboratory for Palaeoecology, Zlin, Czech Republic).

Archaeological constraints on some geological interpretations of a late Wisconsinan site at Varsity Estates, Calgary, Alberta: *in* Late Pleistocene and Holocene climate and geoarchaeology; International conference on Past global changes (PAGES) (Catto, N., editor; *et al.*), **Quaternary International**, 89, p. 17-29, illus. incl. geol. sketch map, 2002. *Meeting*: Sept. 6-9, 2000, Prague, Czech Republic.

57003608

Tatur, Andrzej (Institute of Ecology, Dziekanow Lesny, Poland); del Valle, Rodolfo; Bianchi, Maria-Martha; Outes, Valeria; Villarosa, Gustavo; Niegodzisz, Jerzy and Debaene, Guillaume.

Late Pleistocene palaeolakes in the Andean and extra-Andean Patagonia at mid-latitudes of South America: *in* Late Pleistocene and Holocene climate and geoarchaeology; International conference on Past global changes (PAGES) (Catto, N., editor; *et al.*), **Quaternary International**, 89, p. 135-150, illus. incl. 3 tables, sects., strat. col., sketch maps, 64 ref., 2002. *Meeting*: Sept. 6-9, 2000, Prague, Czech Republic.

57003609

Wagner, B. (Alfred Wegener Institute for Polar and Marine Research, Research Department Potsdam, Potsdam, Federal Republic of Germany) and Melles, M.

Holocene environmental history of western Ymer O, East Greenland, inferred from lake sediments: *in* Late Pleistocene and Holocene climate and geoarchaeology; International conference on Past global changes (PAGES) (Catto, N., editor; *et al.*), **Quaternary International**, 89, p. 165-176, illus. incl. 2 tables, strat. cols., sketch maps, 49 ref., 2002. *Meeting*: Sept. 6-9, 2000, Prague, Czech Republic.

57003610

Carcaillet, C. (Swedish University of Agricultural Sciences, Department of Forest Vegetation Ecology, Umea, Sweden); Almquist, H.; Asnong, H.; Bradshaw, R. H. W.; Carrión, J. S.; Gaillard, M. J.; Gajewski, K.; Haas, J. N.; Haberle, S. G.; Hadorn, P.; Muller, S. D.; Richard, P. J. H.; Richoz, I.; Rösch, M.; Sánchez-Goñi, M. F.; von Stedingk, H.; Stevenson, A. C.; Talon, B.; Tardy, C.; Tinner, W.; Tryterud, E.; Wick, L. and Willis, K. J.

Holocene biomass burning and global dynamics of the carbon cycle: *in* New horizons in the carbon cycle (Adams, Jonathan M., editor), **Chemosphere (Oxford)**, 49(8), p. 845-863, illus. incl. 2 tables, 43 ref., December 2002. *Meeting:* 2000, Rome, Italy.

57003611

Slusher, D. L. (Georgia Institute of Technology, School of Earth Atmospheric Sciences, Atlanta, GA); Huey, L. G.; Tanner, D. J.; Chen, G.; Davis, D. D.; Buhr, M.; Nowak, J. B.; Eisele, F. L.; Kosciuch, E.; Mauldin, R. L.; Lefer, B. L.; Shetter, R. E. and Dibb, J. E. Measurements of pernitric acid at the South Pole during ISCAT 2000: **Geophysical Research Letters**, 29(21), 4 p., illus., 22 ref., November 1, 2002.

57003612

Prange, M. (Bremen University, Department of Geosciences, Bremen, Federal Republic of Germany); Romanova, V. and Lohmann, G.

The glacial thermohaline circulation; stable or unstable?: **Geophysical Research Letters**, 29(21), 4 p., illus. incl. geol. sketch maps, sect., 25 ref., November 1, 2002.

57003613

Bonev, Boncho P. (University of Toledo, Department of Physics and Astronomy, Toledo, OH); James, Philip B. and Bjorkman, Jon E.

Regression of the Mountains of Mitchel polar ice after the onset of a global dust storm on Mars: **Geophysical Research Letters**, 29(21), 4 p., illus., 16 ref., November 1, 2002.

57003614

Hauck, C. (ETH Zürich, Laboratory for Hydraulics, Zurich, Switzerland).

Frozen ground monitoring using DC resistivity tomography: **Geophysical Research Letters**, 29(21), 4 p., illus. incl. sects., 15 ref., November 1, 2002.

57003615

Young, Grant M. (University of Western Ontario, Department of Earth Sciences, London, ON, Canada).

Stratigraphic and tectonic settings of Proterozoic glaciogenic rocks and banded iron-formations; relevance to the snowball Earth debate: **Journal of African Earth Sciences and the Middle East**, 35(4), p. 451-466, illus. incl. geol. sketch map, 110 ref., November 2002.

57003616

Abrantes, F. (Instituto Geológico e Mineiro, Departamento de Geologia Marinha, Alfragide, Portugal).

A 340,000 year continental climate record from tropical Africa; news from opal phytoliths from the Equatorial Atlantic: **Earth and Planetary Science Letters**, 209(1-2), p. 165-179, illus. incl. 1 table, sketch map, 72 ref., April 15, 2003. *Foraminifera, diatoms*

57003617

Billups, K. (University of Delaware, College of Marine Sciences, Lewes, DE) and Schrag, D. P.

Application of benthic foraminiferal Mg/Ca ratios to questions of Cenozoic climate change: **Earth and Planetary Science Letters**, 209(1-2), p. 181-195, illus. incl. 3 tables, sketch map, 48 ref., April 15, 2003. *Antarctic Ocean, Indian Ocean*

57003618

Brocard, G. Y. (Université Joseph Fourier, Laboratoire de Géodynamique des Chaînes Alpines, Grenoble, France); van der Beek, P. A.; Bourlès, D. L.; Siame, L. L. and Mugnier, Jean-Louis.

Long-term fluvial incision rates and postglacial river relaxation time in the French Western Alps from ^{10}Be dating of alluvial terraces with assessment of inheritance, soil development and wind ablation effects: **Earth and Planetary Science Letters**, 209(1-2), p. 197-214, illus. incl. 3 tables, sketch maps, 58 ref., April 15, 2003.

57003619

Farmer, G. Lang (University of Colorado, CIRES, Boulder, CO); Barber, Donald and Andrews, John.

Provenance of late Quaternary ice-proximal sediments in the North Atlantic; Nd, Sr and Pb isotopic evidence: **Earth and Planetary Science Letters**, 209(1-2), p. 227-243, illus. incl. 1 table, geol. sketch map, 68 ref., April 15, 2003.

57003620

Hoelzle, M. (University of Zurich, Glaciology and Geomorphodynamics Group, Zurich, Switzerland); Haeberli, W.; Dischl, M. and Peschke, W.

Secular glacier mass balances derived from cumulative glacier length changes: **Global and Planetary Change**, 36(4), p. 295-306, illus. incl. 3 tables, sketch map, 104 ref., May 2003.

57003621

Bjorkman, Leif (Lund University, Quaternary Geology, Lund, Sweden); Feurdean, Angelica and Wohlfarth, Barbara.

Late-glacial and Holocene forest dynamics at Steregoiu in the Gutaiului Mountains, Northwest Romania: **Review of Palaeobotany and Palynology**, 124(1-2), p. 79-111, illus. incl. strat. col., 4 tables, sketch map, 39 ref., April 2003.

57003622

MacCready, Parker (University of Washington, School of Oceanography, Seattle, WA) and Rhines, Peter B.

Meridional transport across a zonal channel; topographic localization: **Journal of Physical Oceanography**, 31(6), p. 1427-1439, illus. incl. sect., block diag., 23 ref., June 2001.

57003623

Sandoval, Francisco J. (Florida State University, Department of Oceanography, Tallahassee, FL) and Weatherly, Georges L.

Evolution of the deep western boundary current of Antarctic bottom water in the Brazil Basin: **Journal of Physical Oceanography**, 31(6), p. 1440-1460, illus. incl. geol. sketch maps, sects., 46 ref., June 2001.

57003624

Goodman, Paul J. (University of Washington, Department of Atmospheric Sciences, Seattle, WA).

Thermohaline adjustment and advection in an OGCM: **Journal of Physical Oceanography**, 31(6), p. 1477-1497, illus. incl. 1 table, geol. sketch map, 67 ref., June 2001.

57003625

Sloyan, Bernadette M. (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany) and Rintoul, Stephen R.

Circulation, renewal, and modification of Antarctic mode and intermediate water: **Journal of Physical Oceanography**, 31(4), p. 1005-1030, illus. incl. geol. sketch map, 2 tables, sect., 79 ref., April 2001.

57003626

Tandon, Amit (University of Massachusetts, Physics Department, North Dartmouth, MA) and Zahariev, Konstantin.

Quantifying the role of mixed layer entrainment for water mass transformation in the North Atlantic: **Journal of Physical Oceanography**, 31(4), p. 1120-1131, illus. incl. 6 tables, 27 ref., April 2001.

57003627

Elberling, B. (University of Copenhagen, Institute of Geography, Copenhagen, Denmark); Balic-Zunic, T. and Edsberg, A.

Spatial variations and controls of acid mine drainage generation: **Environmental Geology (Berlin)**, 43(7), p. 806-813, illus. incl. 1 table, 29 ref., March 2003.

57003628

van Kolfschoten, T. (Leiden University, Faculty of Archeology, Leiden, Netherlands); Gibbard, P. L. and Knudsen, K. L., editors.

The Eemian interglacial; a global perspective: **Global and Planetary Change**, 36(3), 217 p., April 1, 2003. Individual papers are cited separately.

57003629

Shackleton, Nicholas J. (University of Cambridge, Godwin Institute for Quaternary Research, Cambridge, United Kingdom); Sánchez-Goñi, María Fernanda; Pailler, Delphine and Lancelot, Yves.

Marine Isotope Substage 5e and the Eemian Interglacial: *in* The Eemian interglacial; a global perspective (van Kolfschoten, T., editor; *et al.*), **Global and Planetary Change**, 36(3), p. 151-155, illus., 14 ref., April 1, 2003. *Foraminifera, palynomorphs*

57003630

Tzedakis, P. C. (University of Cambridge, Godwin Institute for Quaternary Research, Cambridge, United Kingdom); Frogley, M. R. and Heaton, T. H. E.

Last interglacial conditions in southern Europe; evidence from Ioannina, Northwest Greece: *in* The Eemian interglacial; a global perspective (van Kolfschoten, T., editor; *et al.*), **Global and Planetary Change**, 36(3), p. 157-170, illus. incl. sketch map, 52 ref., April 1, 2003. *Pleistocene, palynomorphs*

57003631

Chen, F. H. (Lanzhou University, National Laboratory of Western China's Environmental Systems, Lanzhou, China); Qiang, M. R.; Feng, Z. D.; Wang, H. B. and Bloemendaal, J.
Stable East Asian monsoon climate during the last interglacial (Eemian) indicated by paleosol S1 in the western part of the Chinese loess plateau: *in* The Eemian interglacial; a global perspective (van Kolfschoten, T., editor; *et al.*), **Global and Planetary Change**, 36(3), p. 171-179, illus. incl. sketch map, 60 ref., April 1, 2003.

57003632

Gibbard, P. L. (University of Cambridge, Godwin Institute of Quaternary Research, Cambridge, United Kingdom).
Definition of the middle-upper Pleistocene boundary: *in* The Eemian interglacial; a global perspective (van Kolfschoten, T., editor; *et al.*), **Global and Planetary Change**, 36(3), p. 201-208, 37 ref., April 1, 2003.

57003633

Loutre, M. F. (Université Catholique de Louvain, Institut d'Astronomie et de Géophysique Georges Lemaître, Louvain-la-Neuve, Belgium) and Berger, A.
Marine Isotope Stage 11 as an analogue for the present interglacial: *in* The Eemian interglacial; a global perspective (van Kolfschoten, T., editor; *et al.*), **Global and Planetary Change**, 36(3), p. 209-217, illus. incl. 1 table, 37 ref., April 1, 2003.

57003634

Berg, Aaron Andrew.
The sensitivity of land surface model simulations to bias correction of the European Centre for medium-range weather forecast reanalysis: 103 p., 115 ref., Master's, 2001, University of Texas, Austin, Austin, TX.

57003635

Davis, Marcy Brooke.
Subglacial morphology and structural geology in the southern Transantarctic Mountains from air-borne geophysics: 133 p., 12 plates, 134 ref., Master's, 2001, University of Texas, Austin, Austin, TX.

57003636

Xiao Cunde (Lanzhou Institute of Glaciology and Geocryology, Lanzhou, China); Qin Dahe and Ren Jiawen.
Characteristics of sea ice cover, snow distribution, and snow density in the central Arctic region: **Dili Kexue = Scientia Geographica Sinica**, 17(4), p. 289-296, (Chinese) (English sum.), illus., November 1997.

57003637

Sjoling, Sara (University College London, Department of Biochemistry and Molecular Biology, London, United Kingdom) and Cowan, Don A.
Detecting human bacterial contamination in Antarctic soils: **Polar Biology**, 23(9), p. 644-650, illus. incl. 2 tables, sketch map, 23 ref., 2000.

57003638

Babicka, N. A. (Australian Antarctic Division, Kingston, Tasmania, Australia); Snape, I. and Goldsworthy, P. M.

GIS; a tool for managing contaminated sites and abandoned stations in Antarctica: *in* Contaminated site remediation; from source zones to ecosystems; proceedings; Volume 1 (Johnston, C. D., editor), CSIRO Land and Water, Centre for Groundwater Studies, Wembley, West. Aust., Australia, p. 261-265, illus., 4 ref., 2000. *Meeting*: Dec. 4-8, 2000, Melbourne, Victoria, Australia.

57003639

McKenna, Vicki Spangler.

Globorotalia truncatulinoides as an indicator of change in the permanent thermocline of the glacial Arabian Sea: 387 p., Doctoral, 2000, Brown University, Providence, RI. ISBN: 0-599-94167-7 *Available from*: Univ. Microfilms. *Quaternary*

57003640

Pullman, Erik Ross.

Carbon cycle dynamics in a taiga peatland: 150 p., Doctoral, 2000, Clemson University, Clemson, SC. ISBN: 0-493-00464-5 *Available from*: Univ. Microfilms.

57003641

Cahill, Lizabeth C.

Oxygen isotope records of coccoliths in Pacific cores V28-238 and V28-239: 23 p., 4 tables, 20 ref., Bachelor's, 1983, University of Illinois, Urbana, Urbana, IL. *Foraminifera, Pleistocene*